

Elizabeth A Cudney

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,782
citations

331670

21
h-index

330143

37
g-index

82
all docs

82
docs citations

82
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Gamified learning in higher education: A systematic review of the literature. <i>Computers in Human Behavior</i> , 2018, 87, 192-206.	8.5	361
2	A comparative analysis of integrating lean concepts into supply chain management in manufacturing and service industries. <i>International Journal of Lean Six Sigma</i> , 2011, 2, 5-22.	3.3	87
3	The application of Kano model in the healthcare industry: a systematic literature review. <i>Total Quality Management and Business Excellence</i> , 2019, 30, 660-681.	3.8	69
4	Lean Six Sigma for public sector organizations: is it a myth or reality?. <i>International Journal of Quality and Reliability Management</i> , 2017, 34, 1402-1411.	2.0	63
5	An empirical study to investigate the effects of critical factors on TQM implementation in the garment industry in Bangladesh. <i>International Journal of Quality and Reliability Management</i> , 2020, 37, 1209-1232.	2.0	59
6	QFD Application in the Hospitality Industry: A Hotel Case Study. <i>Quality Management Journal</i> , 2010, 17, 7-28.	1.4	56
7	Enhancing engineering education using project-based learning for Lean and Six Sigma. <i>International Journal of Lean Six Sigma</i> , 2014, 5, 45-61.	3.3	56
8	An evaluation into the limitations and emerging trends of Six Sigma: an empirical study. <i>TQM Journal</i> , 2019, 31, 205-221.	3.3	52
9	Incorporating lean concepts into supply chain management. <i>International Journal of Six Sigma and Competitive Advantage</i> , 2010, 6, 12.	0.4	45
10	Lean Six Sigma for the healthcare sector: a multiple case study analysis from the Indian context. <i>International Journal of Quality and Reliability Management</i> , 2019, 37, 90-111.	2.0	44
11	Lean Six Sigma as an organizational resilience mechanism in health care during the era of COVID-19. <i>International Journal of Lean Six Sigma</i> , 2021, 12, 762-783.	3.3	42
12	Lean Six Sigma journey in a UK higher education institute: a case study. <i>International Journal of Quality and Reliability Management</i> , 2018, 35, 510-526.	2.0	39
13	Applying the Mahalanobis Taguchi System to Vehicle Handling. <i>Concurrent Engineering Research and Applications</i> , 2006, 14, 343-354.	3.2	37
14	Mahalanobis Taguchi system: a review. <i>International Journal of Quality and Reliability Management</i> , 2015, 32, 291-307.	2.0	35
15	Systematic review of Lean and Six Sigma approaches in higher education. <i>Total Quality Management and Business Excellence</i> , 2020, 31, 231-244.	3.8	33
16	A multiple integrated approach for modelling critical success factors in sustainable LSS implementation. <i>Computers and Industrial Engineering</i> , 2020, 150, 106865.	6.3	32
17	Lean Six Sigma in policing services: case examples, lessons learnt and directions for future research. <i>Total Quality Management and Business Excellence</i> , 2019, 30, 613-625.	3.8	31
18	Total productive maintenance. <i>Total Quality Management and Business Excellence</i> , 0, , 1-8.	3.8	29

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19	Model Development of a Virtual Learning Environment to Enhance Lean Education. <i>Procedia Computer Science</i> , 2011, 6, 100-105.	2.0	26
20	Form Errors in Precision Metrology: A Survey of Measurement Techniques. <i>Quality Engineering</i> , 2012, 24, 369-380.	1.1	26
21	Evaluating factors affecting patient satisfaction using the Kano model. <i>International Journal of Health Care Quality Assurance</i> , 2019, 32, 137-151.	0.9	26
22	Comparative Analysis of Quality Function Deployment Methodologies: A Case Study Analysis. <i>Quality Management Journal</i> , 2012, 19, 7-23.	1.4	25
23	Development of a conceptual method for sustainability assessment in manufacturing. <i>Computers and Industrial Engineering</i> , 2021, 158, 107403.	6.3	24
24	Data Mining and Machine Learning Retention Models in Higher Education. <i>The Journal of College Student Retention: Research and Practice</i> , 2023, 25, 51-75.	1.5	23
25	Lean business models in healthcare: a systematic review. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 558-573.	3.8	22
26	Measuring the Impact of Project-Based Learning in Six Sigma Education. <i>Journal of Enterprise Transformation</i> , 2014, 4, 272-288.	1.0	20
27	Methods and considerations for the development of emerging manufacturing technologies into a global aerospace supply chain. <i>International Journal of Production Research</i> , 2011, 49, 2819-2831.	7.5	19
28	Six Sigma in education. <i>Quality Assurance in Education</i> , 2017, 25, 91-108.	1.5	19
29	Reducing pharmacy medication errors using Lean Six Sigma: A Thai hospital case study. <i>Total Quality Management and Business Excellence</i> , 2022, 33, 664-682.	3.8	19
30	An evaluation of Lean and Six Sigma methodologies in the national health service. <i>International Journal of Quality and Reliability Management</i> , 2023, 40, 25-52.	2.0	19
31	A systematic literature review of Six Sigma practices in education. <i>International Journal of Six Sigma and Competitive Advantage</i> , 2014, 8, 163.	0.4	17
32	A Comparison Study of Mahalanobis-Taguchi System and Neural Network for Multivariate Pattern Recognition. , 2005, , 109.		16
33	A directed content analysis of viewpoints on the changing patterns of Lean Six Sigma research. <i>TQM Journal</i> , 2019, 31, 641-654.	3.3	15
34	Design of experiments in the service industry: a critical literature review and future research directions. <i>TQM Journal</i> , 2020, 32, 1159-1175.	3.3	15
35	Lean Six Sigma in the public sector: yesterday, today and tomorrow. <i>Total Quality Management and Business Excellence</i> , 2021, 32, 528-540.	3.8	15
36	Analyzing Customer Requirements for the American Society of Engineering Management Using Quality Function Deployment. <i>EMJ - Engineering Management Journal</i> , 2012, 24, 47-57.	2.3	14

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37	A Methodology for Applying Quality Function Deployment to the Commissioning Process. EMJ - Engineering Management Journal, 2015, 27, 177-187.	2.3	14
38	Analysis of Clinic Layouts and Patient-Centered Procedural Innovations Using Discrete-Event Simulation. EMJ - Engineering Management Journal, 2016, 28, 134-144.	2.3	14
39	A decision support simulation model for bed management in healthcare. International Journal of Health Care Quality Assurance, 2019, 32, 499-515.	0.9	14
40	Determining critical success factors for lean implementation. Total Quality Management and Business Excellence, 0, , 1-15.	3.8	14
41	Understanding and evaluating teaching effectiveness in the UK higher education sector using experimental design. International Journal of Quality and Reliability Management, 2019, 36, 202-216.	2.0	13
42	Prioritizing Indicators for Sustainability Assessment in Manufacturing Process: An Integrated Approach. Sustainability, 2022, 14, 3264.	3.2	12
43	The impact of Lean Six Sigma practices on supply chain resilience during COVID 19 disruption: a conceptual framework. Total Quality Management and Business Excellence, 2022, 33, 1913-1931.	3.8	11
44	Forecasting consumer satisfaction for vehicle ride using a multivariate measurement system. International Journal of Industrial and Systems Engineering, 2009, 4, 683.	0.2	10
45	A novel and practical conceptual framework to support Lean Six Sigma deployment in manufacturing SMEs. Total Quality Management and Business Excellence, 2022, 33, 1233-1263.	3.8	10
46	Using Six Sigma DMAIC for Lean project management in education: a case study in a German kindergarten. Total Quality Management and Business Excellence, 2022, 33, 1489-1509.	3.8	10
47	Primary Factors Statistically Associated with Diarrheal Occurrences. Environmental Engineering Science, 2018, 35, 836-845.	1.6	8
48	A meta-analytic investigation of lean practices and their impact on organisational performance. Total Quality Management and Business Excellence, 2022, 33, 1799-1825.	3.8	8
49	A Comparative Analysis of Defensive Routines in Engineering Managers Versus Non-Engineering Managers. EMJ - Engineering Management Journal, 2013, 25, 44-51.	2.3	7
50	Systematic literature review of quality maturity matrix. Total Quality Management and Business Excellence, 2021, 32, 289-297.	3.8	7
51	A study into the pros and cons of ISO 18404: viewpoints from leading academics and practitioners. TQM Journal, 2021, 33, 1845-1866.	3.3	7
52	A comparison of Finite State Classifier and Mahalanobis-Taguchi System for multivariate pattern recognition in skin cancer detection. , 2011, , .		6
53	Impact of integrative design on additive manufacturing quality. International Journal of Rapid Manufacturing, 2011, 2, 121.	0.5	6
54	Customer-driven hotel landscaping design: a case study. International Journal of Quality and Reliability Management, 2013, 30, 832-852.	2.0	6

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55	Project based learning for quality and Six Sigma education. International Journal of Six Sigma and Competitive Advantage, 2013, 8, 51.	0.4	6
56	One Size Does Not Fit All: Utilizing Quality Function Deployment for Course Design. Quality Management Journal, 2016, 23, 37-53.	1.4	6
57	Framework for Lean Implementation Through Fuzzy AHP-COPRAS Integrated Approach. IEEE Transactions on Engineering Management, 2023, 70, 3836-3848.	3.5	6
58	Predicting vehicle cost using the T-method. International Journal of Product Development, 2010, 12, 311.	0.2	4
59	Forecasting Consumer Satisfaction for Vehicle Ride Using the Mahalanobis-Taguchi Gram-Schmidt Technique. EMJ - Engineering Management Journal, 2010, 22, 3-9.	2.3	4
60	Virtual modelling for simulation-based lean education. International Journal of Lean Enterprise Research, 2014, 1, 3.	0.1	4
61	Empirical Study Utilizing QFD to Develop an International Marketing Strategy. Sustainability, 2015, 7, 10756-10769.	3.2	4
62	Relationship between lean and safety. International Journal of Lean Enterprise Research, 2015, 1, 217.	0.1	4
63	A critical evaluation of organizational readiness for continuous improvement within a UK public utility company. Public Money and Management, 2022, 42, 584-592.	2.1	4
64	A study on critical failure factors of Design for Six Sigma in Indian companies: results from a pilot survey. TQM Journal, 2023, 35, 1072-1093.	3.3	4
65	Implications of Quality Loss Function in Unified Methodology - LTB Case with Target. SAE International Journal of Materials and Manufacturing, 0, 1, 768-777.	0.3	3
66	Integration of dynamic multi-response systems using the product of normalised squared-bias and variance. International Journal of Quality Engineering and Technology, 2012, 3, 108.	0.0	3
67	Design of experiments in the service industry: results from a global survey and directions for further research. TQM Journal, 2021, 33, 987-1000.	3.3	3
68	Voice of the customer as a tool for service quality analysis in public transport. TQM Journal, 2021, , .	3.3	3
69	Decision-making through fuzzy TOPSIS and COPRAS approaches for lean tools selection: A case study of automotive accessories manufacturing industry. International Journal of Management Science and Engineering Management, 2023, 18, 26-35.	3.1	3
70	Lean Six Sigma Journey in a UK Higher Education Institute: Challenges, Projects, and Key Lessons Learned. , 0, , .		2
71	Techno-Economic Feasibility Analysis of a Fully Mobile Radiation Oncology System Using Monte Carlo Simulation. JCO Global Oncology, 2022, , .	1.8	2
72	Comparing the Predictive Ability of T-Method and Cobb-Douglas Production Function for Warranty Data. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
73	Determining the optimum manufacturing target using the inverted normal loss function. International Journal of Quality Engineering and Technology, 2011, 2, 173.	0.0	1
74	Leaning and Greening the Supply Chain. Industry and Higher Education, 2011, 25, 53-58.	2.2	1
75	Quality loss function for bivariate response – unified methodology. International Journal of Quality Engineering and Technology, 2011, 2, 229.	0.0	1
76	Introduction of R-LCS and comparative analysis with FSC and Mahalanobis-Taguchi method for Breast Cancer classification. , 2012, , .		1
77	An integrated methodology for evaluating patient service quality. Total Quality Management and Business Excellence, 2020, 31, 1738-1759.	3.8	1
78	Lean Six Sigma in Higher Education: State-of-the-Art Findings and Agenda for Future Research*. , 2020, , 23-42.		1
79	A comparison of representations for the prediction of ground-level ozone concentration. , 2012, , .		0
80	Warranty Cost Prediction Using the Mahalanobis-Taguchi System. , 2009, , .		0
81	Design for Six Sigma Identify-Define-Design-Optimize-Validate (IDDOV) Roadmap Overview. , 2012, , 5-48.		0