Giovanni Celano

List of Publications by Year
in descending order

88	2,219	201575 27	276775 41
papers	citations	h-index	g-index

91	91	91	852
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Monitoring the multivariate coefficient of variation in presence of autocorrelation with variable parameters control charts. Quality Technology and Quantitative Management, 2023, 20, 184-210.	1.1	3
2	Control Charts for Monitoring Time-Between-Events-and-Amplitude Data. Springer Series in Reliability Engineering, 2022, , 43-76.	0.3	1
3	A numberâ€betweenâ€events control chart for monitoring finite horizon production processes. Quality and Reliability Engineering International, 2022, 38, 2110-2138.	1.4	2
4	Projection micro-stereolithography versus masterâ€“slave approach to manufacture a micro-optofluidic device for slug flow detection. International Journal of Advanced Manufacturing Technology, 2022, 120, 4443-4460.	1.5	8
5	A distribution-free Shewhart-type Mannâ€“Whitney control chart for monitoring finite horizon productions. International Journal of Production Research, 2021, 59, 6069-6086.	4.9	18
6	A distribution-free EWMA control chart for monitoring time-between-events-and-amplitude data. Journal of Applied Statistics, 2021, 48, 434-454.	0.6	19
7	An EWMA-type chart based on signed ranks with exact run length properties. Journal of Statistical Computation and Simulation, 2021, 91, 732-751.	0.7	7
8	Fused Deposition Modelling (FDM): New Standards for Mechanical Characterization. Macromolecular Symposia, 2021, 395, 2000253.	0.4	1
9	Methods for the Characterization of Polyetherimide Based Materials Processed by Fused Deposition Modelling. Applied Sciences (Switzerland), 2020, 10, 3195.	1.3	16
10	Onâ€line monitoring of extreme values of geometric profiles in finite horizon processes. Quality and Reliability Engineering International, 2020, 36, 1313-1332.	1.4	2
11	On the effect of the measurement error on Shewhart t and EWMA t control charts. International Journal of Advanced Manufacturing Technology, 2020, 107, 4317-4332.	1.5	20
12	The Shewhart Sign Chart with Ties: Performance and Alternatives. , 2020, , 107-136.		7
13	An EWMA-type sign chart with exact run length properties. Journal of Quality Technology, 2019, 51, 51-63.	1.8	38
14	One-sided synthetic control charts for monitoring the multivariate coefficient of variation. Journal of Statistical Computation and Simulation, 2019, 89, 1841-1862.	0.7	16
15	Monitoring compositional data using multivariate exponentially weighted moving average scheme. Quality and Reliability Engineering International, 2018, 34, 391-402.	1.4	24
16	Monitoring the ratio of population means of a bivariate normal distribution using CUSUM type control charts. Statistical Papers, 2018, 59, 387-413.	0.7	35
17	Effect of autocorrelation estimators on the performance of the Xì„ control chart. Journal of Statistical Computation and Simulation, 2018, 88, 2612-2630.	0.7	18
18	The Shewhart F control chart for monitoring processes with finite number of inspections. Quality and Reliability Engineering International, 2018, 34, 1685-1698.	1.4	4

#	Article	IF	Citations
19	An EWMA sign control chart with varying control limits for finite horizon processes. Quality and Reliability Engineering International, 2018, 34, 1717-1731.	1.4	15
20	A variable sampling interval Shewhart control chart for monitoring the coefficient of variation in short production runs. International Journal of Production Research, 2017, 55, 5521-5536.	4.9	43
21	Economic and statistical design of Vp control charts for finite-horizon processes. IISE Transactions, 2017, 49, 110-125.	1.6	11
22	The performance of the Shewhart sign control chart for finite horizon processes. International Journal of Advanced Manufacturing Technology, 2016, 84, 1497.	1.5	4
23	Monitoring the Ratio of Two Normal Variables Using EWMA Type Control Charts. Quality and Reliability Engineering International, 2016, 32, 1853-1869.	1.4	34
24	On the implementation of the Shewhart sign control chart for low-volume production. International Journal of Production Research, 2016, 54, 5886-5900.	4.9	19
25	Joint Shewhart control charts for location and scale monitoring in finite horizon processes. Computers and Industrial Engineering, 2016, 101, 427-439.	3.4	24
26	One-sided run rules control charts for monitoring the coefficient of variation in short production runs. European Journal of Industrial Engineering, 2016, 10, 639.	0.5	14
27	A Synthetic Control Chart for Monitoring the Ratio of Two Normal Variables. Quality and Reliability Engineering International, 2016, 32, 681-696.	1.4	31
28	The performance of the Shewhart-RZ control chart in the presence of measurement error. International Journal of Production Research, 2016, 54, 7504-7522.	4.9	47
29	Design of a Phase II Control Chart for Monitoring the Ratio of two Normal Variables. Quality and Reliability Engineering International, 2016, 32, 291-308.	1.4	26
30	Monitoring the ratio of two normal variables using Run Rules type control charts. International Journal of Production Research, 2016, 54, 1670-1688.	4.9	41
31	One-Sided Shewhart-type Charts for Monitoring the Coefficient of Variation in Short Production Runs. Quality Technology and Quantitative Management, 2015, 12, 53-67.	1.1	53
32	Monitoring the coefficient of variation using a variable sample size control chart in short production runs. International Journal of Advanced Manufacturing Technology, 2015, 81, 1-14.	1.5	105
33	A new sampling strategy for the Shewhart control chart monitoring a process with wandering mean. International Journal of Production Research, 2015, 53, 4231-4248.	4.9	2
34	Monitoring the coefficient of variation using a variable sample size control chart. International Journal of Advanced Manufacturing Technology, 2015, 80, 1561-1576.	1.5	72
35	A general model for the economic-statistical design of adaptive control charts for processes subject to multiple assignable causes. International Journal of Production Research, 2015, 53, 2146-2164.	4.9	36
36	Control Charts monitoring Product's Loss to Society. Quality and Reliability Engineering International, 2014, 30, 1393-1407.	1.4	7

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37	A new sampling strategy to reduce the effect of autocorrelation on a control chart. Journal of Applied Statistics, 2014, 41, 1408-1421.	0.6	28
38	Statistical Performance of a Control Chart for Individual Observations Monitoring the Ratio of Two Normal Variables. Quality and Reliability Engineering International, 2014, 30, 1361-1377.	1.4	25
39	The variable parameters T ^{2} 2 chart with run rules. Statistical Papers, 2014, 55, 933-950.	0.7	8
40	Economic design of Shewhart control charts for monitoring autocorrelated data with skip sampling strategies. International Journal of Production Economics, 2014, 151, 121-130.	5.1	41
41	The variable sampling interval control chart for finite-horizon processes. IIE Transactions, 2014, 46, 1050-1065.	2.1	25
42	The variable sample size t control chart for monitoring short production runs. International Journal of Advanced Manufacturing Technology, 2013, 66, 1353.	1.5	14
43	Performance of t control charts in short runs with unknown shift sizes. Computers and Industrial Engineering, 2013, 64, 56-68.	3.4	62
44	Monitoring the Coefficient of Variation Using a Variable Sampling Interval Control Chart. Quality and Reliability Engineering International, 2013, 29, 1135-1149.	1.4	85
45	Monitoring the Coefficient of Variation Using Control Charts with Run Rules. Quality Technology and Quantitative Management, 2013, 10, 75-94.	1.1	81
46	Comparison of theXÅ‹Chart and thetChart When the Parameters are Estimated. Quality Technology and Quantitative Management, 2013, 10, 1-16.	1.1	19
47	Linking Six Sigma to simulation: a new roadmap to improve the quality of patient care. International Journal of Health Care Quality Assurance, 2012, 25, 254-273.	0.2	30
48	The Economic Performance of a CUSUMtControl Chart for Monitoring Short Production Runs. Quality Technology and Quantitative Management, 2012, 9, 329-354.	1.1	29
49	The economic performance of the Shewhart t chart. Quality and Reliability Engineering International, 2012, 28, 159-180.	1.4	28
50	On the constrained economic design of control charts: a literature review. Production, 2011, 21, 223-234.	1.3	25
51	Monitoring the Coefficient of Variation Using EWMA Charts. Journal of Quality Technology, 2011, 43, 249-265.	1.8	158
52	Optimization of multi-pass turning economies through a hybrid particle swarm optimization technique. International Journal of Advanced Manufacturing Technology, 2011, 53, 421-433.	1.5	48
53	Shewhart and EWMA t control charts for short production runs. Quality and Reliability Engineering International, 2011, 27, 313-326.	1.4	71
54	A stochastic shift model for economically designed charts constrained by the process stage configuration. International Journal of Production Economics, 2011, 132, 315-325.	5.1	20

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55	Constrained economic design of S control charts for random process shifts. International Journal of Quality and Reliability Management, 2011, 28, 298-316.	1.3	12
56	On the economic-statistical design of control charts constrained by the inspection workstation configuration. International Journal of Quality Engineering and Technology, 2010, 1, 231.	0.0	13
57	Constrained scheduling of the inspection activities on semiconductor wafers grouped in families with sequence-dependent set-up times. International Journal of Advanced Manufacturing Technology, 2010, 46, 695-705.	1.5	19
58	Economic design of inspection strategies to monitor dispersion in short production runs. Computers and Industrial Engineering, 2010, 59, 887-897.	3.4	26
59	A new efficient encoding/decoding procedure for the design of a supply chain network with genetic algorithms. Computers and Industrial Engineering, 2010, 59, 986-999.	3.4	60
60	A Johnson's type transformation EWMA-SÂ² control chart. International Journal of Quality Engineering and Technology, 2010, 1, 253.	0.0	10
61	Robust design of adaptive control charts for manual manufacturing/inspection workstations. Journal of Applied Statistics, 2009, 36, 181-203.	0.6	38
62	THE EXACT RUN LENGTH DISTRIBUTION AND DESIGN OF THE S² CHART WHEN THE IN-CONTROL VARIANCE IS ESTIMATED. International Journal of Reliability, Quality and Safety Engineering, 2009, 16, 23-38.	0.4	60
63	Modelling a radiology department service using a VDL integrated approach. Journal of Health Organization and Management, 2009, 23, 376-395.	0.6	5
64	An efficient geneticâ€dynamic programming procedure to design Bayesian control charts. International Journal of Quality and Reliability Management, 2009, 26, 831-848.	1.3	5
65	A new CUSUMâ€S² control chart for monitoring the process variance. Journal of Quality in Maintenance Engineering, 2009, 15, 344-357.	1.0	38
66	Pallet Configuration for Approaching Mapping Requirements on Devices. , 2009, , 113-135.		2
67	Scheduling of unrelated parallel manufacturing cells with limited human resources. International Journal of Production Research, 2008, 46, 405-427.	4.9	20
68	A VARIABLE SAMPLE SIZE S²-EWMA CONTROL CHART FOR MONITORING THE PROCESS VARIANCE. International Journal of Reliability, Quality and Safety Engineering, 2008, 15, 181-201.	0.4	15
69	Economic-statistical Design of a Logarithmic Transformed S2 EWMA Chart. Springer Series in Reliability Engineering, 2008, , 375-405.	0.3	1
70	ONE-SIDED BAYESIAN S² CONTROL CHARTS FOR THE CONTROL OF PROCESS DISPERSION IN FINITE PRODUCTION RUNS. International Journal of Reliability, Quality and Safety Engineering, 2008, 15, 305-327.	0.4	11
71	Economicâ€statistical design of an S EWMA control chart for monitoring process variability. Journal of Quality in Maintenance Engineering, 2007, 13, 304-320.	1.0	7
72	A variable sampling interval S²-EWMA control chart for monitoring the process variance. International Journal of Technology Management, 2007, 37, 125.	0.2	22

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73	ACTIVITY SIMULATION WITHIN A RADIOLOGY DEPARTMENT WITH LIMITED NURSE RESOURCES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 695-700.	0.4	1
74	Evaluation of the Statistical Performance of a Variable Sampling IntervalREWMA Control Chart. Quality Technology and Quantitative Management, 2006, 3, 307-323.	1.1	18
75	Statistical design of variable sample size and sampling interval $$ar X$$ control charts with run rulescontrol charts with run rules. International Journal of Advanced Manufacturing Technology, 2006, 28, 966-977.	1.5	35
76	Monitoring Process Variability Using EWMA. , 2006, , 291-325.		18
77	Human factor policy testing in the sequencing of manual mixed model assembly lines. Computers and Operations Research, 2004, 31, 39-59.	2.4	33
78	A comparative analysis of sequencing heuristics for solving the Toyota Goal Chasing problem. Robotics and Computer-Integrated Manufacturing, 2004, 20, 573-581.	6.1	10
79	AN EVOLUTIONARY ALGORITHM FOR PURE FUZZY FLOWSHOP SCHEDULING PROBLEMS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2003, 11, 655-669.	0.9	31
80	AN OBJECT ORIENTED MODEL FOR SCHEDULING IN AGILE MANUFACTURING. Journal of Advanced Manufacturing Systems, 2002, 01, 173-188.	0.4	2
81	The application of AI techniques in the optimal design of multi-pass cold drawing processes. Journal of Materials Processing Technology, 2001, 113, 680-685.	3.1	15
82	An evolutionary approach to multi-objective scheduling of mixed model assembly lines. Computers and Industrial Engineering, 1999, 37, 69-73.	3.4	26
83	Multiobjective economic design of an X control chart. Computers and Industrial Engineering, 1999, 37, 129-132.	3.4	36
84	Fuzzy scheduling of a flexible assembly line through an evolutionary algorithm. , 0, , .		4
85	Fuzzy scheduling of a flexible assembly line through evolutionary algorithms. , 0, , .		3
86	Constrained scheduling of jobs with different due dates in a flowshop. , 0, , .		0
87	Monitoring the covariance matrix of bivariate processes with the DVMAX control charts. Applied Stochastic Models in Business and Industry, 0, , .	0.9	2
88	A bootstrap method for the measurement error estimation in Gauge R&R$R{&}R$ Studies. Quality and Reliability Engineering International, 0, , .	1.4	1