Jean-Claude Malela-Majika

List of Publications by Year
in descending order

52	468	840776 11	888059 17
papers	citations	h-index	g-index

52	52	52	186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Double exponentially weighted moving average control chart with supplementary runs-rules. Quality Technology and Quantitative Management, 2020, 17, 149-172.	1.9	42
2	Distribution-free Phase II Mannâ€“Whitney control charts with runs-rules. International Journal of Advanced Manufacturing Technology, 2016, 86, 723-735.	3.0	23
3	Distributionâ€free precedence control charts with improved runsâ€rules. Applied Stochastic Models in Business and Industry, 2016, 32, 423-439.	1.5	21
4	Distributionâ€free mixed cumulative sumâ€exponentially weighted moving average control charts for detecting mean shifts. Quality and Reliability Engineering International, 2017, 33, 1983-2002.	2.3	19
5	Oneâ€sided runsâ€rules schemes to monitor autocorrelated time series data using a firstâ€order autoregressive model with skip sampling strategies. Quality and Reliability Engineering International, 2019, 35, 1973-1997.	2.3	19
6	New distribution-free memory-type control charts based on the Wilcoxon rank-sum statistic. Quality Technology and Quantitative Management, 2021, 18, 135-155.	1.9	19
7	Distribution-free cumulative sum and exponentially weighted moving average control charts based on the Wilcoxon rank-sum statistic using ranked set sampling for monitoring mean shifts. Journal of Statistical Computation and Simulation, 2016, 86, 3715-3734.	1.2	18
8	Generally weighted moving average monitoring schemes: Overview and perspectives. Quality and Reliability Engineering International, 2021, 37, 409-432.	2.3	18
9	Distributionâ€free triple EWMA control chart for monitoring the process location using the Wilcoxon rankâ€sum statistic with fast initial response feature. Quality and Reliability Engineering International, 2021, 37, 1996-2013.	2.3	17
10	A combined mixed-s-skip sampling strategy to reduce the effect of autocorrelation on the Xì„ scheme with and without measurement errors. Journal of Applied Statistics, 2021, 48, 1243-1268.	1.3	15
11	Distribution-free mixed GWMA-CUSUM and CUSUM-GWMA Mannâ€“Whitney charts to monitor unknown shifts in the process location. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 6667-6690.	1.2	13
12	On monitoring the process mean of autocorrelated observations with measurement errors using the wâ€ofâ€w runsâ€rules scheme. Quality and Reliability Engineering International, 2020, 36, 1144-1160.	2.3	13
13	Side-sensitive synthetic and runs-rules charts for monitoring AR(1) processes with skipping sampling strategies. Communications in Statistics - Theory and Methods, 2020, 49, 4248-4269.	1.0	12
14	The new synthetic and runs-rules schemes to monitor the process mean of autocorrelated observations with measurement errors. Communications in Statistics - Theory and Methods, 2020, , 1-30.	1.0	11
15	Shewhart-type monitoring schemes with supplementary w-of-w runs-rules to monitor the mean of autocorrelated samples. Communications in Statistics Part B: Simulation and Computation, 2019, , 1-30.	1.2	10
16	One-Sided and Two-Sided w-of-w Runs-Rules Schemes: An Overall Performance Perspective and the Unified Run-Length Derivations. Journal of Probability and Statistics, 2019, 2019, 1-20.	0.7	10
17	The effect of measurement errors on the performance of the homogenously weighted moving average XÂ¯ monitoring scheme with estimated parameters. Journal of Statistical Computation and Simulation, 2021, 91, 1306-1330.	1.2	10
18	A new CUSUM control chart under uncertainty with applications in petroleum and meteorology. PLoS ONE, 2021, 16, e0246185.	2.5	10

#	Article	IF	Citations
19	A homogeneously weighted moving average control chart for Conwayâ€“Maxwell Poisson distribution. Journal of Applied Statistics, 2022, 49, 3090-3119.	1.3	10
20	Monitoring univariate and multivariate profiles using the triple exponentially weighted moving average scheme with fixed and random explanatory variables. Computers and Industrial Engineering, 2022, 163, 107846.	6.3	10
21	Modified side-sensitive synthetic double sampling monitoring scheme for simultaneously monitoring the process mean and variability. Computers and Industrial Engineering, 2019, 130, 798-814.	6.3	9
22	Distribution-free precedence schemes with a generalized runs-rule for monitoring unknown location. Communications in Statistics - Theory and Methods, 2020, 49, 4996-5027.	1.0	9
23	The effect of measurement errors on the performance of the homogenously weighted moving average XÂ¯ monitoring scheme. Transactions of the Institute of Measurement and Control, 2021, 43, 728-745.	1.7	9
24	An EWMA control chart based on the Wilcoxon rank-sum statistic using repetitive sampling. International Journal of Quality and Reliability Management, 2018, 35, 711-728.	2.0	8
25	Parameter Estimation Effect of the Homogeneously Weighted Moving Average Chart to Monitor the Mean of Autocorrelated Observations With Measurement Errors. IEEE Access, 2020, 8, 221352-221366.	4.2	8
26	A side-sensitive double sampling XÂ¯ monitoring scheme with estimated process parameters. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 3772-3808.	1.2	8
27	A new double sampling XÂ¯ control chart for monitoring an abrupt change in the process location. Communications in Statistics Part B: Simulation and Computation, 2021, 50, 917-935.	1.2	8
28	A new double sampling scheme to monitor the process mean of autocorrelated observations using an AR(1) model with a skip sampling strategy. Computers and Industrial Engineering, 2021, 153, 107084.	6.3	7
29	Shewhart control schemes with supplementary 2â€ofâ€(hâ€‰+â€‰1) sideâ€sensitive runsâ€rules under the <scp>B</scp>urrâ€type <scp>XII</scp> distribution. Quality and Reliability Engineering International, 2018, 34, 1800-1817.	2.3	6
30	A new variable sampling size and interval synthetic and runs-rules schemes to monitor the process mean of autocorrelated observations with measurement errors. International Journal of Industrial Engineering Computations, 2020, , 607-626.	0.7	6
31	Distributionâ€free composite Shewhartâ€EWMA Mannâ€Whitney charts for monitoring the process location. Quality and Reliability Engineering International, 2021, 37, 1409-1435.	2.3	6
32	Side-sensitive synthetic double sampling <i>X<i> control charts. European Journal of Industrial Engineering, 2019, 13, 117.	0.8	6
33	A new distribution-free generally weighted moving average monitoring scheme for detecting unknown shifts in the process location. International Journal of Industrial Engineering Computations, 2020, , 235-254.	0.7	6
34	Multiple Dependent State Repetitive Sampling-Based Control Chart for Birnbaumâ€“Saunders Distribution. Journal of Mathematics, 2020, 2020, 1-11.	1.0	5
35	One-sided precedence monitoring schemes for unknown shift sizes using generalized 2-of-(h+1) and w-of-w improved runs-rules. Communications in Statistics - Theory and Methods, 2022, 51, 2803-2837.	1.0	5
36	Combined effect of autocorrelation and measurement errors on the adaptive XÂ¯ monitoring schemes. Transactions of the Institute of Measurement and Control, 2021, 43, 537-548.	1.7	5

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37	The use of fast initial response features on the homogeneously weighted moving average chart with estimated parameters under the effect of measurement errors. Quality and Reliability Engineering International, 2021, 37, 2568-2586.	2.3	5
38	The Effects of Early first Sexual Intercourse amongst Lesotho Women: Evidence from the 2009 Lesotho Demographic and Health Survey. African Journal of Reproductive Health, 2016, 20, 34-42.	1.1	5
39	Univariate and Multivariate Linear Profiles Using Max-Type Extended Exponentially Weighted Moving Average Schemes. IEEE Access, 2022, 10, 6126-6146.	4.2	5
40	A hybrid homogeneously weighted moving average control chart for process monitoring: Discussion. Quality and Reliability Engineering International, 2021, 37, 3314.	2.3	4
41	Distributionâ€free doubleâ€sampling precedence monitoring scheme to detect unknown shifts in the location parameter. Quality and Reliability Engineering International, 2021, 37, 3580-3599.	2.3	4
42	Robust Distribution-Free Hybrid Exponentially Weighted Moving Average Schemes Based on Simple Random Sampling and Ranked Set Sampling Techniques. Mathematical Problems in Engineering, 2021, 2021, 1-21.	1.1	3
43	A novel single composite Shewhartâ€EWMA control chart for monitoring the process mean. Quality and Reliability Engineering International, 0, , .	2.3	3
44	Side-sensitive synthetic double sampling <i>X<i> control charts. European Journal of Industrial Engineering, 2019, 13, 117.	0.8	2
45	A homogenously weighted moving average scheme for observations under the effect of serial dependence and measurement inaccuracy. International Journal of Industrial Engineering Computations, 2021, 12, 401-414.	0.7	2
46	New extended distribution-free homogenously weighted monitoring schemes for monitoring abrupt shifts in the location parameter. PLoS ONE, 2022, 17, e0261217.	2.5	2
47	New Shewhart-type synthetic $$ar{X}$$XÂ¯ control schemes for non-normal data. Journal of Industrial Engineering International, 2019, 15, 449-478.	1.8	1
48	Improved Structural Equation Models Using Factor Analysis. Pakistan Journal of Statistics and Operation Research, 0, , 995-1012.	1.1	1
49	Double sampling monitoring schemes: a literature review and some future research ideas. Communications in Statistics Part B: Simulation and Computation, 0, , 1-29.	1.2	0
50	Distribution-free synthetic and runs-rules control charts combined with a Mann-Whitney chart. International Journal of Quality Engineering and Technology, 2017, 6, 219.	0.0	0
51	A multivariate triple exponentially weighted moving average control chart. Quality and Reliability Engineering International, 0, , .	2.3	0
52	Design and implementation of distribution-free Phase-II charting schemes based on unconditional run-length percentiles. Communications in Statistics - Theory and Methods, 0, , 1-18.	1.0	0