Murat Caner Testik

List of Publications by Year in descending order

38 papers	941 citations	566801 15 h-index	454577 30 g-index
38 all docs	38 docs citations	38 times ranked	719 citing authors

#	Article	IF	Citations
1	A review of data mining applications for quality improvement in manufacturing industry. Expert Systems With Applications, 2011, 38, 13448-13467.	4.4	327
2	CUSUM Monitoring of First-Order Integer-Valued Autoregressive Processes of Poisson Counts. Journal of Quality Technology, 2009, 41, 389-400.	1.8	71
3	Properties of the exponential EWMA chart with parameter estimation. Quality and Reliability Engineering International, 2010, 26, 555-569.	1.4	47
4	The Poisson INAR(1) CUSUM chart under overdispersion and estimation error. IIE Transactions, 2011, 43, 805-818.	2.1	42
5	Conditional and marginal performance of the Poisson CUSUM control chart with parameter estimation. International Journal of Production Research, 2007, 45, 5621-5638.	4.9	41
6	The Effect of Estimated Parameters on Poisson EWMA Control Charts. Quality Technology and Quantitative Management, 2006, 3, 513-527.	1.1	35
7	Model Inadequacy and Residuals Control Charts for Autocorrelated Processes. Quality and Reliability Engineering International, 2005, 21, 115-130.	1.4	30
8	Detection of Abrupt Changes in Count Data Time Series: Cumulative Sum Derivations for INARCH(1) Models. Journal of Quality Technology, 2012, 44, 249-264.	1.8	30
9	A Twoâ€Sided Cumulative Sum Chart for Firstâ€Order Integerâ€Valued Autoregressive Processes of Poisson Counts. Quality and Reliability Engineering International, 2013, 29, 33-42.	1.4	29
10	Impact of model misspecification on the exponential EWMA charts: a robustness study when the timeâ€betweenâ€events are not exponential. Quality and Reliability Engineering International, 2010, 26, 177-190.	1.4	28
11	Design Strategies for the Multivariate Exponentially Weighted Moving Average Control Chart. Quality and Reliability Engineering International, 2004, 20, 571-577.	1.4	25
12	Overall equipment effectiveness when production speeds and stoppage durations are uncertain. International Journal of Advanced Manufacturing Technology, 2018, 95, 121-130.	1.5	23
13	Driver performance appraisal using GPS terminal measurements: A conceptual framework. Transportation Research Part C: Emerging Technologies, 2013, 26, 49-60.	3.9	21
14	Discovering Blood Donor Arrival Patterns Using Data Mining: A Method to Investigate Service Quality at Blood Centers. Journal of Medical Systems, 2012, 36, 579-594.	2.2	20
15	On the Phase I analysis for monitoring time-dependent count processes. IIE Transactions, 2015, 47, 294-306.	2.1	19
16	Guidelines for automating Phase I of control charts by considering effects on Phase-II performance of individuals control chart. Quality Engineering, 2020, 32, 223-243.	0.7	19
17	Multivariate one-sided control charts. IIE Transactions, 2006, 38, 635-645.	2.1	18
18	Digital twins in manufacturing: systematic literature review for physicalâ€“digital layer categorization and future research directions. International Journal of Computer Integrated Manufacturing, 2022, 35, 679-705.	2.9	14

#	Article	IF	Citations
19	Relationships Among Control Charts Used with Feedback Control. Quality and Reliability Engineering International, 2006, 22, 877-887.	1.4	13
20	The effect of Phase I sample size on the run length performance of control charts for autocorrelated data. Journal of Applied Statistics, 2008, 35, 67-87.	0.6	11
21	Residuals-Based CUSUM Charts for Poisson INAR(1) Processes. Journal of Quality Technology, 2015, 47, 30-42.	1.8	11
22	Evaluation of Phase I analysis scenarios on Phase II performance of control charts for autocorrelated observations. Quality Engineering, 2016, 28, 293-304.	0.7	11
23	Effectiveness of phase I applications for identifying randomly scattered outâ€ofâ€control observations and estimating control chart parameters. Quality and Reliability Engineering International, 2018, 34, 78-92.	1.4	9
24	An algorithmic approach to outlier detection and parameter estimation in Phase I for designing Phase II EWMA control chart. Computers and Industrial Engineering, 2020, 144, 106440.	3.4	7
25	Change points of real GDP per capita time series corresponding to the periods of industrial revolutions. Technological Forecasting and Social Change, 2021, 170, 120911.	6.2	7
26	Using accurately measured production amounts to obtain calibration curve corrections of production line speed and stoppage duration consisting of measurement errors. International Journal of Advanced Manufacturing Technology, 2017, 88, 3257-3263.	1.5	6
27	Guaranteed conditional ARL performance in the presence of autocorrelation. Computational Statistics and Data Analysis, 2018, 128, 367-379.	0.7	6
28	On the design of Shewhart control charts for count time series under estimation uncertainty. Computers and Industrial Engineering, 2021, 157, 107331.	3.4	6
29	Greetings from the Editor-in-Chief. Quality Engineering, 2016, 28, 1-1.	0.7	4
30	Riskâ€based metrics for performance evaluation of control charts. Quality and Reliability Engineering International, 2019, 35, 280-291.	1.4	3
31	Automation of FMEA for computer servers using log data with grey relational analysis. , 2017, , .		2
32	Assessment of Shewhart Control Chart Limits in Phase I Implementations Under Various Shift and Contamination Scenarios. , 2018, , 21-43.		2
33	Business Descriptions and Financial Performance Analysis of Public RFID Companies. , 2007, , .		1
34	On the expected parts per million nonconforming levels obtained from estimated process capability indices. Quality and Reliability Engineering International, 2010, 26, 817-829.	1.4	1
35	Discussion on â€œExperiences with big data: Accounts from a data scientistâ€™s perspectiveâ€• Quality Engineering, 2020, 32, 553-555.	0.7	1
36	Supplier management by distributing orders among new and existing suppliers: the methodology and its application to a fast fashion company. Journal of Fashion Marketing and Management, 2022, 26, 813-831.	1.5	1

#	Article	IF	Citations
37	Editorial-ENBIS 8th Annual Meeting. Quality and Reliability Engineering International, 2009, 26, n/a-n/a.	1.4	0
38	Call for papers: â€˜Business and Industrial Statistics: Developments and Industrial Practices in Quality and Reliabilityâ€™. Quality and Reliability Engineering International, 2009, 25, 125-125.	1.4	0