# Saddam Akber Abbasi

## List of Publications by Citations



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|---|---|---|---|
| 85 papers | 1,236 citations | 20 h-index | 30 g-index |
| 91 ext. papers | 1,451 ext. citations | 2.7 avg, IF | 5.48 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 85 | On Proper Choice of Variability Control Chart for Normal and Non-normal Processes. *Quality and Reliability Engineering International*, **2012**, 28, 279-296 | 2.6 | 67 |
| 84 | On monitoring process variability under double sampling scheme. *International Journal of Production Economics*, **2013**, 142, 388-400 | 9.3 | 56 |
| 83 | Extensive use of face masks during COVID-19 pandemic: (micro-)plastic pollution and potential health concerns in the Arabian Peninsula. *Saudi Journal of Biological Sciences*, **2020**, 27, 3181-3186 | 4 | 51 |
| 82 | On efficient median control charting **2014**, 37, 358-375 | | 50 |
| 81 | MDEWMA chart: an efficient and robust alternative to monitor process dispersion. *Journal of Statistical Computation and Simulation*, **2013**, 83, 247-268 | 0.9 | 49 |
| 80 | On the Performance of Auxiliary-based Control Charting under Normality and Nonnormality with Estimation Effects. *Quality and Reliability Engineering International*, **2013**, 29, 1165-1179 | 2.6 | 44 |
| 79 | On efficient use of auxiliary information for control charting in SPC. *Computers and Industrial Engineering*, **2014**, 67, 173-184 | 6.4 | 42 |
| 78 | Green Synthesis of MnO Nanoparticles Using Leaf Extract for Biological, Photocatalytic, and Adsorption Activities. *Biomolecules*, **2020**, 10, | 5.9 | 40 |
| 77 | Linear profile monitoring using EWMA structure under ranked set schemes. *International Journal of Advanced Manufacturing Technology*, **2017**, 91, 2751-2775 | 3.2 | 39 |
| 76 | Nonparametric Progressive Mean Control Chart for Monitoring Process Target. *Quality and Reliability Engineering International*, **2013**, 29, 1069-1080 | 2.6 | 37 |
| 75 | EWMA Dispersion Control Charts for Normal and Non-normal Processes. *Quality and Reliability Engineering International*, **2015**, 31, 1691-1704 | 2.6 | 35 |
| 74 | Enhancing the performance of CUSUM scale chart. *Computers and Industrial Engineering*, **2012**, 63, 400-409 | 6.4 | 35 |
| 73 | On the Performance of EWMA Chart in the Presence of Two-Component Measurement Error. *Quality Engineering*, **2010**, 22, 199-213 | 1.4 | 35 |
| 72 | A Multivariate Homogeneously Weighted Moving Average Control Chart. *IEEE Access*, **2019**, 7, 9586-9597 | 3.5 | 33 |
| 71 | On Dual Use of Auxiliary Information for Efficient Monitoring. *Quality and Reliability Engineering International*, **2016**, 32, 705-714 | 2.6 | 33 |
| 70 | On Effective Dual Use of Auxiliary Information in Variability Control Charts. *Quality and Reliability Engineering International*, **2016**, 32, 1417-1443 | 2.6 | 32 |
| 69 | On efficient phase II process monitoring charts. *International Journal of Advanced Manufacturing Technology*, **2014**, 70, 2263-2274 | 3.2 | 23 |

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| 68 | Nonparametric Double EWMA Control Chart for Process Monitoring. *Revista Colombiana De Estadistica*, **2016**, 39, 167 | 0.4 | 23 |
| 67 | Multivariate coefficient of variation control charts in phase I of SPC. *International Journal of Advanced Manufacturing Technology*, **2018**, 99, 1903-1916 | 3.2 | 21 |
| 66 | Mixed EWMA-CUSUM and mixed CUSUM-EWMA modified control charts for monitoring first order autoregressive processes. *Quality Technology and Quantitative Management*, **2017**, 14, 429-453 | 1.9 | 20 |
| 65 | On the Performance of Phase I Dispersion Control Charts for Process Monitoring. *Quality and Reliability Engineering International*, **2015**, 31, 1705-1716 | 2.6 | 20 |
| 64 | On median control charting under double sampling scheme. *European Journal of Industrial Engineering*, **2014**, 8, 478 | 1.1 | 20 |
| 63 | A New EWMA Control Chart for Monitoring Poisson Observations. *Quality and Reliability Engineering International*, **2016**, 32, 3023-3033 | 2.6 | 20 |
| 62 | On the extended use of auxiliary information under skewness correction for process monitoring. *Transactions of the Institute of Measurement and Control*, **2017**, 39, 883-897 | 1.8 | 19 |
| 61 | Shrinkage estimates of covariance matrices to improve the performance of multivariate cumulative sum control charts. *Computers and Industrial Engineering*, **2018**, 117, 207-216 | 6.4 | 19 |
| 60 | Poisson progressive mean control chart. *Quality and Reliability Engineering International*, **2017**, 33, 1855-1859 | 1.8 | 18 |
| 59 | The Use of Probability Limits of COM-Poisson Charts and their Applications. *Quality and Reliability Engineering International*, **2013**, 29, 759-770 | 2.6 | 18 |
| 58 | Exponentially Weighted Moving Average Chart and Two-Component Measurement Error. *Quality and Reliability Engineering International*, **2016**, 32, 499-504 | 2.6 | 18 |
| 57 | A new nonparametric EWMA sign control chart. *Expert Systems With Applications*, **2012**, 39, 8503 | 7.8 | 15 |
| 56 | On improved monitoring of linear profiles under modified successive sampling. *Quality and Reliability Engineering International*, **2019**, 35, 2202 | 2.6 | 14 |
| 55 | An Efficient Phase I Analysis of Linear Profiles with Application in Photo-Voltaic System. *Arabian Journal for Science and Engineering*, **2019**, 44, 2699-2716 | 2.5 | 14 |
| 54 | On auxiliary information-based control charts for autocorrelated processes with application in manufacturing industry. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1965-1980 | 3.2 | 13 |
| 53 | Enhancing the performance of the EWMA control chart for monitoring the process mean using auxiliary information. *Quality and Reliability Engineering International*, **2019**, 35, 920-933 | 2.6 | 13 |
| 52 | Phase II monitoring of linear profiles with random explanatory variable under Bayesian framework. *Computers and Industrial Engineering*, **2019**, 127, 1115-1129 | 6.4 | 13 |
| 51 | On artificial neural networking-based process monitoring under bootstrapping using runs rules schemes. *International Journal of Advanced Manufacturing Technology*, **2015**, 76, 311-327 | 3.2 | 12 |

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| 50 | Bayesian Monitoring of Linear Profiles Using DEWMA Control Structures With Random $X$ . *IEEE Access*, **2018**, 6, 78370-78385 | 3.5 | 12 |
| 49 | A New HWMA Dispersion Control Chart with an Application to Wind Farm Data. *Mathematics*, **2020**, 8, 2136 | 2.3 | 11 |
| 48 | Efficient CV Control Charts Based on Ranked Set Sampling. *IEEE Access*, **2019**, 7, 78050-78062 | 3.5 | 10 |
| 47 | . *IEEE Access*, **2020**, 8, 120679-120693 | 3.5 | 10 |
| 46 | Multivariate Mixed EWMA-CUSUM Control Chart for Monitoring the Process Variance-Covariance Matrix. *IEEE Access*, **2019**, 7, 100174-100186 | 3.5 | 9 |
| 45 | Efficient linear profile schemes for monitoring bivariate correlated processes with applications in the pharmaceutical industry. *Chemometrics and Intelligent Laboratory Systems*, **2020**, 206, 104137 | 3.8 | 9 |
| 44 | A non-parametric double homogeneously weighted moving average control chart under sign statistic. *Quality and Reliability Engineering International*, **2021**, 37, 1544-1560 | 2.6 | 9 |
| 43 | Bivariate Dispersion Control Charts for Monitoring Non-Normal Processes. *Quality and Reliability Engineering International*, **2017**, 33, 515-529 | 2.6 | 8 |
| 42 | Monitoring analytical measurements in presence of two component measurement error. *Journal of Analytical Chemistry*, **2014**, 69, 1023-1029 | 1.1 | 8 |
| 41 | An enhanced nonparametric EWMA sign control chart using sequential mechanism. *PLoS ONE*, **2019**, 14, e0225330 | 3.7 | 8 |
| 40 | New efficient exponentially weighted moving average variability charts based on auxiliary information. *Quality and Reliability Engineering International*, **2020**, 36, 2203-2224 | 2.6 | 7 |
| 39 | On efficient estimation strategies in monitoring of linear profiles. *International Journal of Advanced Manufacturing Technology*, **2018**, 96, 3977-3991 | 3.2 | 7 |
| 38 | On Efficient Skewness Correction Charts Under Contamination and Non-normality. *Quality and Reliability Engineering International*, **2016**, 32, 837-854 | 2.6 | 7 |
| 37 | On the performance of coefficient of variation control charts in Phase I. *Quality and Reliability Engineering International*, **2018**, 34, 1029-1040 | 2.6 | 7 |
| 36 | Efficient Control Charts for Monitoring Process CV Using Auxiliary Information. *IEEE Access*, **2020**, 8, 46176-46192 | 3.5 | 6 |
| 35 | Run Rules-Based EWMA Charts for Efficient Monitoring of Profile Parameters. *IEEE Access*, **2021**, 9, 38503-38521 | 3.5 | 6 |
| 34 | Optimization design of the CUSUM and EWMA charts for autocorrelated processes. *Quality and Reliability Engineering International*, **2017**, 33, 1827-1841 | 2.6 | 5 |
| 33 | On designing a sequential based EWMA structure for efficient process monitoring. *Journal of Taibah University for Science*, **2020**, 14, 177-191 | 3 | 5 |

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| 32 | On improved dispersion control charts under ranked set schemes for normal and non-normal processes. *Quality and Reliability Engineering International*, **2019**, 35, 1313-1341 | 2.6 | 5 |
| 31 | Efficient bivariate EWMA charts for monitoring process dispersion. *Quality and Reliability Engineering International*, **2020**, 36, 247-267 | 2.6 | 5 |
| 30 | A Novel Simulation-Based Adaptive MEWMA Approach for Monitoring Linear and Logistic Profiles. *IEEE Access*, **2021**, 9, 124268-124280 | 3.5 | 5 |
| 29 | Location charts based on ranked set sampling for normal and non-normal processes. *Quality and Reliability Engineering International*, **2019**, 35, 1603-1620 | 2.6 | 4 |
| 28 | Enhanced remediation of Cr6+ in bacterial-assisted floating wetlands. *Water and Environment Journal*, **2020**, 34, 970-978 | 1.7 | 4 |
| 27 | Auxiliary-information-based efficient variability control charts for Phase I of SPC. *Quality and Reliability Engineering International*, **2020**, 36, 2322-2337 | 2.6 | 4 |
| 26 | Analysis of factors affecting employee satisfaction: A case study from Pakistan. *Work*, **2015**, 52, 137-52 | 1.6 | 4 |
| 25 | 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 | 2.6 | 4 |
| 24 | Enhanced adaptive multivariate EWMA and CUSUM charts for process mean. *Journal of Statistical Computation and Simulation*, **2021**, 91, 2361-2382 | 0.9 | 4 |
| 23 | Efficient monitoring of coefficient of variation with an application to chemical reactor process. *Quality and Reliability Engineering International*, **2021**, 37, 1135-1149 | 2.6 | 4 |
| 22 | Efficient GLM-based control charts for Poisson processes. *Quality and Reliability Engineering International*, | 2.6 | 4 |
| 21 | On the Efficiency of Runs Rules Schemes for Process Monitoring. *Quality and Reliability Engineering International*, **2016**, 32, 663-671 | 2.6 | 3 |
| 20 | On Phase-I Monitoring of Process Location Parameter with Auxiliary Information-Based Median Control Charts. *Mathematics*, **2020**, 8, 706 | 2.3 | 3 |
| 19 | Performance evaluation of moving average-based EWMA chart for exponentially distributed process **2020**, 43, 365-372 | | 3 |
| 18 | Noise pollution in the hospital environment of a developing country: A case study of Lahore (Pakistan). *Archives of Environmental and Occupational Health*, **2018**, 73, 367-374 | 2 | 3 |
| 17 | On Model Selection for Autocorrelated Processes in Statistical Process Control. *Quality and Reliability Engineering International*, **2017**, 33, 867-882 | 2.6 | 3 |
| 16 | An Assorted Design for Joint Monitoring of Process Parameters: An Efficient Approach for Fuel Consumption. *IEEE Access*, **2019**, 7, 104864-104875 | 3.5 | 2 |
| 15 | Gini Mean Difference Based Time-Varying EWMA Charts. *Economic Quality Control*, **2009**, 24, | | 2 |

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| 14 | On designing an assorted control charting approach to monitor process dispersion: an application to hard-bake process. *Journal of Taibah University for Science*, **2020**, 14, 65-76 | 3 | 2 |
| 13 | Efficient homogeneously weighted dispersion control charts with an application to distillation process. *Quality and Reliability Engineering International*, | 2.6 | 2 |
| 12 | Increasing the Sensitivity of Variability EWMA Control Charts. *Lecture Notes in Electrical Engineering* , **2011**, 431-443 | 0.2 | 1 |
| 11 | Exponentially weighted moving average control charts for monitoring coefficient of variation under ranked set-sampling schemes. *Journal of Statistical Computation and Simulation*,1-23 | 0.9 | 1 |
| 10 | An Efficient Robust Nonparametric Triple EWMA Wilcoxon Signed-Rank Control Chart for Process Location. *Mathematical Problems in Engineering*, **2021**, 2021, 1-28 | 1.1 | 1 |
| 9 | 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 | 1 |
| 8 | The exact method for designing the Maxwell chart with estimated parameter. *Communications in Statistics Part B: Simulation and Computation*, **2021**, 50, 270-281 | 0.6 | 1 |
| 7 | One-Sided and Two One-Sided Multivariate Homogeneously Weighted Moving Charts for Monitoring Process Mean. *IEEE Access*, **2021**, 9, 80388-80404 | 3.5 | 1 |
| 6 | Novel Mixed EWMA Dual-Crosier CUSUM Mean Charts without and with Auxiliary Information. *Mathematical Problems in Engineering*, **2022**, 2022, 1-15 | 1.1 | 1 |
| 5 | Bayesian EWMA control charts based on Exponential and transformed Exponential distributions. *Quality and Reliability Engineering International*, **2021**, 37, 1678-1698 | 2.6 | 0 |
| 4 | Online monitoring of climatic parameters: a statistical study about environmental changes in Qatar. *Qscience Proceedings*, **2016**, 2016, 42 | | |
| 3 | Enhancing the detection ability of control charts in profile monitoring by adding RBF ensemble model. *Neural Computing and Applications*,1 | 4.8 | |
| 2 | Multivariate control charts for monitoring process mean vector of individual observations under regularized covariance estimation. *Quality Technology and Quantitative Management*,1-22 | 1.9 | |
| 1 | An Efficient Dispersion Control Chart. *Lecture Notes in Electrical Engineering*, **2013**, 61-70 | 0.2 | |