

# Tahir Mahmood

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

1,121  
citations

16  
h-index

33  
g-index

50  
ext. papers

1,517  
ext. citations

3.1  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
49	An approach toward decision-making and medical diagnosis problems using the concept of spherical fuzzy sets. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 7041-7053	4.8	234
48	On some distance measures of complex Pythagorean fuzzy sets and their applications in pattern recognition. <i>Complex &amp; Intelligent Systems</i> , <b>2020</b> , 6, 15-27	7.1	111
47	A Novel Approach towards Bipolar Soft Sets and Their Applications. <i>Journal of Mathematics</i> , <b>2020</b> , 2020, 1-11	1.2	79
46	Algorithm for T-Spherical Fuzzy Multi-Attribute Decision Making Based on Improved Interactive Aggregation Operators. <i>Symmetry</i> , <b>2018</b> , 10, 670	2.7	64
45	T-Spherical Fuzzy Power Muirhead Mean Operator Based on Novel Operational Laws and Their Application in Multi-Attribute Group Decision Making. <i>IEEE Access</i> , <b>2019</b> , 7, 22613-22632	3.5	61
44	Evaluation of Investment Policy Based on Multi-Attribute Decision-Making Using Interval Valued T-Spherical Fuzzy Aggregation Operators. <i>Symmetry</i> , <b>2019</b> , 11, 357	2.7	60
43	T-Spherical Fuzzy Einstein Hybrid Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. <i>Symmetry</i> , <b>2020</b> , 12, 365	2.7	45
42	Linear profile monitoring using EWMA structure under ranked set schemes. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 91, 2751-2775	3.2	39
41	A progressive approach to joint monitoring of process parameters. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 115, 253-268	6.4	33
40	Simultaneous monitoring of linear profile parameters under progressive setup. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 125, 434-450	6.4	32
39	Alternative methods for the simultaneous monitoring of simple linear profile parameters. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 2851-2871	3.2	32
38	Models and monitoring of zero-inflated processes: The past and current trends. <i>Quality and Reliability Engineering International</i> , <b>2019</b> , 35, 2540-2557	2.6	27
37	On the extended use of auxiliary information under skewness correction for process monitoring. <i>Transactions of the Institute of Measurement and Control</i> , <b>2017</b> , 39, 883-897	1.8	19
36	GLM-based control charts for the inverse Gaussian distributed response variable. <i>Quality and Reliability Engineering International</i> , <b>2020</b> , 36, 765-783	2.6	19
35	A modified CUSUM control chart for monitoring industrial processes. <i>Quality and Reliability Engineering International</i> , <b>2018</b> , 34, 1045-1058	2.6	18
34	Generalized linear model based monitoring methods for high-yield processes. <i>Quality and Reliability Engineering International</i> , <b>2020</b> , 36, 1570-1591	2.6	16
33	Generalized MULTIMOORA method and Dombi prioritized weighted aggregation operators based on T-spherical fuzzy sets and their applications. <i>International Journal of Intelligent Systems</i> , <b>2021</b> , 36, 4659-4692	8.4	16

32	Improved linear profiling methods under classical and Bayesian setups: An application to chemical gas sensors. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 196, 103908	3.8	15
31	On improved monitoring of linear profiles under modified successive sampling. <i>Quality and Reliability Engineering International</i> , <b>2019</b> , 35, 2202	2.6	14
30	An Efficient Phase I Analysis of Linear Profiles with Application in Photo-Voltaic System. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 2699-2716	2.5	14
29	GLM-Based Flexible Monitoring Methods: An Application to Real-Time Highway Safety Surveillance. <i>Symmetry</i> , <b>2021</b> , 13, 362	2.7	14
28	Cumulative Sum Chart Modeled under the Presence of Outliers. <i>Mathematics</i> , <b>2020</b> , 8, 269	2.3	12
27	Control Charts for Process Dispersion Parameter under Contaminated Normal Environments. <i>Quality and Reliability Engineering International</i> , <b>2016</b> , 32, 2481-2490	2.6	11
26	The pandemic paradox: domestic violence and happiness of women. <i>PeerJ</i> , <b>2020</b> , 8, e10472	3.1	11
25	Contact lenses coated with hybrid multifunctional ternary nanocoatings (Phytomolecule-coated ZnO nanoparticles:Gallic Acid:Tobramycin) for the treatment of bacterial and fungal keratitis. <i>Acta Biomaterialia</i> , <b>2021</b> , 128, 262-276	10.8	11
24	. <i>IEEE Access</i> , <b>2020</b> , 8, 120679-120693	3.5	10
23	Memory type control charts with inverse-Gaussian response: An application to yarn manufacturing industry. <i>Transactions of the Institute of Measurement and Control</i> , <b>2021</b> , 43, 656-678	1.8	10
22	Multivariate Mixed EWMA-CUSUM Control Chart for Monitoring the Process Variance-Covariance Matrix. <i>IEEE Access</i> , <b>2019</b> , 7, 100174-100186	3.5	9
21	An Improved S2 Control Chart for Cost and Efficiency Optimization. <i>IEEE Access</i> , <b>2017</b> , 5, 19486-19493	3.5	9
20	Efficient Phase II Monitoring Methods for Linear Profiles Under the Random Effect Model. <i>IEEE Access</i> , <b>2019</b> , 7, 148278-148296	3.5	7
19	Monitoring data quality for telehealth systems in the presence of missing data. <i>International Journal of Medical Informatics</i> , <b>2019</b> , 126, 156-163	5.3	7
18	IQR CUSUM charts: An efficient approach for monitoring variations in aquatic toxicity. <i>Journal of Chemometrics</i> , <b>2021</b> , 35, e3336	1.6	6
17	A communicative property with its industrial applications. <i>Quality and Reliability Engineering International</i> , <b>2017</b> , 33, 2761-2763	2.6	5
16	Current perspective on diagnosis, epidemiological assessment, prevention strategies, and potential therapeutic interventions for severe acute respiratory infections caused by 2019 novel coronavirus (SARS-CoV-2). <i>Human Vaccines and Immunotherapeutics</i> , <b>2020</b> , 16, 3001-3010	4.4	5
15	On the multivariate progressive control chart for effective monitoring of covariance matrix. <i>Quality and Reliability Engineering International</i> , <b>2021</b> , 37, 2724-2737	2.6	5

14	Failure rate monitoring in generalized gamma-distributed process. <i>Quality Technology and Quantitative Management</i> ,1-22	1.9	5
13	Multivariate time-between-events monitoring: An overview and some overlooked underlying complexities. <i>Quality Engineering</i> , <b>2021</b> , 33, 13-25	1.4	5
12	Arabinoxylan Isolated from Ispaghula Husk: A Better Alternative to Commercially Available Gelling Agents. <i>Asian Journal of Chemistry</i> , <b>2014</b> , 26, 8366-8370	0.4	4
11	On Enhanced GLM-Based Monitoring: An Application to Additive Manufacturing Process. <i>Symmetry</i> , <b>2022</b> , 14, 122	2.7	4
10	A new approach to design median control charts for location monitoring. <i>Communications in Statistics Part B: Simulation and Computation</i> ,1-25	0.6	4
9	Efficient monitoring of coefficient of variation with an application to chemical reactor process. <i>Quality and Reliability Engineering International</i> , <b>2021</b> , 37, 1135-1149	2.6	4
8	Efficient GLM-based control charts for Poisson processes. <i>Quality and Reliability Engineering International</i> ,	2.6	4
7	A new multivariate CUSUM chart for monitoring of covariance matrix with individual observations under estimated parameter. <i>Quality and Reliability Engineering International</i> ,	2.6	3
6	The generalized linear model-based exponentially weighted moving average and cumulative sum charts for the monitoring of high-quality processes. <i>Applied Stochastic Models in Business and Industry</i> , <b>2021</b> , 37, 703-724	1.1	3
5	On Reassessment of the HWMA Chart for Process Monitoring. <i>Processes</i> , <b>2022</b> , 10, 1129	2.9	2
4	Flexible Monitoring Methods for High-yield Processes <b>2021</b> , 45-63		1
3	On the location-based memory type control charts under modified successive sampling scheme. <i>Quality and Reliability Engineering International</i> ,	2.6	1
2	Effect of meteorological factors on the COVID-19 cases: a case study related to three major cities of the Kingdom of Saudi Arabia. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 29, 21811	5.1	0
1	Online monitoring of climatic parameters: a statistical study about environmental changes in Qatar. <i>Qscience Proceedings</i> , <b>2016</b> , 2016, 42		