

Rassoul Noorossana

List of Publications by Year in descending order

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112
papers

2,324
citations

201385

27
h-index

276539

41
g-index

125
all docs

125
docs citations

125
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase I Monitoring of Polynomial Profiles. Communications in Statistics - Theory and Methods, 2008, 37, 1671-1686.	0.6	105
2	Phase II monitoring of multivariate simple linear profiles. Computers and Industrial Engineering, 2010, 58, 563-570.	3.4	96
3	Simple linear profiles monitoring in the presence of within profile autocorrelation. Computers and Industrial Engineering, 2009, 57, 1015-1021.	3.4	90
4	On the Monitoring of Autocorrelated Linear Profiles. Communications in Statistics - Theory and Methods, 2008, 37, 425-442.	0.6	88
5	Statistical monitoring of multivariate multiple linear regression profiles in phase I with calibration application. Quality and Reliability Engineering International, 2010, 26, 291-303.	1.4	82
6	A general framework for multiresponse optimization problems based on goal programming. European Journal of Operational Research, 2008, 189, 421-429.	3.5	77
7	Failure modeling and optimizing preventive maintenance strategy during two-dimensional extended warranty contracts. Engineering Failure Analysis, 2013, 28, 90-102.	1.8	77
8	Phase II monitoring of multivariate multiple linear regression profiles. Quality and Reliability Engineering International, 2011, 27, 281-296.	1.4	76
9	Phase II Monitoring of Nonlinear Profiles. Communications in Statistics - Theory and Methods, 2009, 38, 1834-1851.	0.6	69
10	Monitoring polynomial profiles in quality control applications. International Journal of Advanced Manufacturing Technology, 2009, 42, 703-712.	1.5	52
11	Reliability-based robust design optimization: A general methodology using genetic algorithm. Computers and Industrial Engineering, 2014, 74, 199-207.	3.4	52
12	An artificial neural network approach to multiple-response optimization. International Journal of Advanced Manufacturing Technology, 2009, 40, 1227-1238.	1.5	48
13	Effect of Autocorrelation on Performance of the MCUSUM Control Chart. Quality and Reliability Engineering International, 2006, 22, 191-197.	1.4	47
14	Modeling and analysis of effective ways for improving the reliability of second-hand products sold with warranty. International Journal of Advanced Manufacturing Technology, 2010, 46, 253-265.	1.5	45
15	An integrated model based on statistical process control and maintenance. Computers and Industrial Engineering, 2011, 61, 1245-1255.	3.4	43
16	Effect of non-normality on the monitoring of simple linear profiles. Quality and Reliability Engineering International, 2011, 27, 425-436.	1.4	40
17	An integrating approach to root cause analysis of a bivariate mean vector with a linear trend disturbance. International Journal of Advanced Manufacturing Technology, 2011, 52, 407-420.	1.5	37
18	A parameters reduction method for monitoring multiple linear regression profiles. International Journal of Advanced Manufacturing Technology, 2012, 58, 621-629.	1.5	37

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19	Optimizing integrated manufacturing and products inspection policy for deteriorating manufacturing system with imperfect inspection. <i>Journal of Manufacturing Systems</i> , 2015, 37, 299-315.	7.6	35
20	Modelling and optimization of laser engraving qualitative characteristics of Al-SiC composite using response surface methodology and artificial neural networks. <i>Optics and Laser Technology</i> , 2019, 112, 65-76.	2.2	35
21	Process capability analysis in the presence of autocorrelation. <i>Quality and Reliability Engineering International</i> , 2002, 18, 75-77.	1.4	34
22	Identifying the period of a step change in high-yield processes. <i>Quality and Reliability Engineering International</i> , 2009, 25, 875-883.	1.4	32
23	Performance evaluation of EWMA and CUSUM control charts to detect anomalies in social networks using average and standard deviation of degree measures. <i>Quality and Reliability Engineering International</i> , 2018, 34, 477-500.	1.4	31
24	Using Neural Networks to Detect and Classify Out-of-control Signals in Autocorrelated Processes. <i>Quality and Reliability Engineering International</i> , 2003, 19, 493-504.	1.4	30
25	Estimating the change point of a normal process mean with a monotonic change. <i>Quality and Reliability Engineering International</i> , 2009, 25, 79-90.	1.4	30
26	Effect of measurement error on phase II monitoring of simple linear profiles. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 2031-2040.	1.5	30
27	A case-based reasoning system development for statistical process control: Case representation and retrieval. <i>Computers and Industrial Engineering</i> , 2012, 63, 1107-1117.	3.4	29
28	ZERO INFLATED POISSON EWMA CONTROL CHART FOR MONITORING RARE HEALTH-RELATED EVENTS. <i>Journal of Mechanics in Medicine and Biology</i> , 2012, 12, 1250065.	0.3	29
29	An overview of dynamic anomaly detection in social networks via control charts. <i>Quality and Reliability Engineering International</i> , 2018, 34, 641-648.	1.4	25
30	Estimating multivariate linear profiles change point with a monotonic change in the mean of response variables. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 75, 1537-1556.	1.5	24
31	Monitoring Multivariate Simple Linear Profiles in the Presence of between Profile Autocorrelation. <i>Communications in Statistics - Theory and Methods</i> , 2014, 43, 530-546.	0.6	24
32	Statistical process monitoring via image data using wavelets. <i>Quality and Reliability Engineering International</i> , 2017, 33, 2059-2073.	1.4	24
33	Fuzzy multivariate exponentially weighted moving average control chart. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 48, 1001-1007.	1.5	23
34	Monitoring autocorrelated multivariate simple linear profiles. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 1857-1865.	1.5	22
35	Developing a fuzzy multivariate CUSUM control chart to monitor multinomial linguistic quality characteristics. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 79, 1893-1903.	1.5	20
36	Phase II monitoring of simple linear profiles with random explanatory variables. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 76, 779-787.	1.5	20

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37	Process monitoring in real time: Empirical bayes approachâ€”discrete case. Quality and Reliability Engineering International, 1991, 7, 123-132.	1.4	19
38	Enhanced Rolled Throughput Yield: A new six sigma-based performance measure. International Journal of Production Economics, 2012, 140, 368-373.	5.1	19
39	Project Completion Time and Cost Prediction Using Change Point Analysis. Journal of Management in Engineering - ASCE, 2015, 31, 04014086.	2.6	19
40	Three New Multivariate Process Capability Indices. Communications in Statistics - Theory and Methods, 2012, 41, 341-356.	0.6	18
41	Change Point Estimation in the Mean of Multivariate Linear Profiles with No Change Type Assumption via Dynamic Linear Model. Quality and Reliability Engineering International, 2016, 32, 403-433.	1.4	18
42	Reliability and Maintenance Models for a Competing-Risk System Subjected to Random Usage. IEEE Transactions on Reliability, 2016, 65, 1271-1283.	3.5	18
43	A statistical approach to social network monitoring. Communications in Statistics - Theory and Methods, 2017, 46, 11272-11288.	0.6	18
44	On the conditional decision procedure for high yield processes. Computers and Industrial Engineering, 2007, 53, 469-477.	3.4	17
45	A hybrid Nelderâ€”Mead simplex and PSO approach on economic and economic-statistical designs of MEWMA control charts. International Journal of Advanced Manufacturing Technology, 2013, 65, 1339-1348.	1.5	17
46	Change Point Estimation of Multivariate Linear Profiles Under Linear Drift. Communications in Statistics Part B: Simulation and Computation, 2015, 44, 1570-1599.	0.6	17
47	Profile Monitoring Using Nonparametric Bootstrap<i>T</i>²Control Chart. Communications in Statistics Part B: Simulation and Computation, 2012, 41, 302-315.	0.6	16
48	A Copula Markov CUSUM Chart for Monitoring the Bivariate Autoâ€”correlated Binary Observations. Quality and Reliability Engineering International, 2013, 29, 911-919.	1.4	16
49	Functional Process Capability Indices for Circular Profile. Quality and Reliability Engineering International, 2014, 30, 633-644.	1.4	16
50	Combined Variable Sample Size, Sampling Interval, and Double Sampling (CVSSIDS) Adaptive Control Charts. Communications in Statistics - Theory and Methods, 2015, 44, 1255-1269.	0.6	16
51	A new optimization criterion for robust parameter design â€” the case of target is best. International Journal of Advanced Manufacturing Technology, 2008, 38, 851-859.	1.5	15
52	An integrated supervised learning solution for monitoring process mean vector. International Journal of Advanced Manufacturing Technology, 2011, 56, 755-765.	1.5	14
53	Copula-Based Bivariate ZIP Control Chart for Monitoring Rare Events. Communications in Statistics - Theory and Methods, 2012, 41, 2699-2716.	0.6	14
54	Identifying change point of a non-random pattern on control chart using artificial neural networks. International Journal of Advanced Manufacturing Technology, 2013, 67, 1623-1630.	1.5	14

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55	EWMA Control Chart Performance with Estimated Parameters under Non-normality. Quality and Reliability Engineering International, 2016, 32, 1637-1654.	1.4	14
56	ON THE ECONOMIC DESIGN OF MULTIVARIATE CONTROL CHARTS. Communications in Statistics - Theory and Methods, 2002, 31, 1665-1673.	0.6	13
57	Phase II Monitoring of Nonlinear Profile Variance Using Wavelet. Quality and Reliability Engineering International, 2013, 29, 1081-1089.	1.4	13
58	Developing a multivariate approach to monitor fuzzy quality profiles. Quality and Quantity, 2014, 48, 817-836.	2.0	13
59	Economic-statistical design of simple linear profiles with variable sampling interval. Journal of Applied Statistics, 2016, 43, 1400-1418.	0.6	13
60	Reliability and maintenance models for a dependent competing-risk system with multiple time-scales. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2015, 229, 131-142.	0.6	12
61	An interactive artificial neural networks approach to multiresponse optimization. International Journal of Advanced Manufacturing Technology, 2015, 76, 765-777.	1.5	12
62	A New Approach in Capability Analysis of Processes Monitored by a Simple Linear Regression Profile. Quality and Reliability Engineering International, 2016, 32, 209-221.	1.4	11
63	Monitoring Two Dependent Process Steps Using Special Variable Sample Sizes and Sampling Intervals Causeâ€Selecting Control Charts. Quality and Reliability Engineering International, 2012, 28, 437-453.	1.4	10
64	Economic and Economicâ€Statistical Designs of Phase II Profile Monitoring. Quality and Reliability Engineering International, 2014, 30, 645-655.	1.4	10
65	Statistical Monitoring of Nominal Logistic Profiles in Phase II. Communications in Statistics - Theory and Methods, 2015, 44, 2689-2704.	0.6	10
66	Monitoring multinomial logistic profiles in Phase I using log-linear models. International Journal of Quality and Reliability Management, 2018, 35, 678-689.	1.3	10
67	Robust Parameter Design Using the Weighted Metric Methodâ€The Case of â€the Smaller the Betterâ€™. International Journal of Applied Mathematics and Computer Science, 2009, 19, 59-68.	1.5	9
68	ZIB-EWMA CONTROL CHART FOR MONITORING RARE HEALTH EVENTS. Journal of Mechanics in Medicine and Biology, 2011, 11, 881-895.	0.3	9
69	Customer credit scoring using a hybrid data mining approach. Kybernetes, 2016, 45, 1576-1588.	1.2	9
70	System Reliability with Multiple Failure Modes and Time Scales. Quality and Reliability Engineering International, 2016, 32, 1109-1126.	1.4	9
71	Using independent component analysis to monitor <sc>2â€D</sc> geometric specifications. Quality and Reliability Engineering International, 2017, 33, 2075-2087.	1.4	9
72	Bayesian change point estimation in Poisson-based control charts. Journal of Industrial Engineering International, 2013, 9, 1.	1.8	8

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73	Performance of adaptive \bar{X} -chart with estimated parameter. International Journal of Quality and Reliability Management, 2016, 33, 769-791.	1.3	8
74	An ex ante control chart for project monitoring using earned duration management observations. Journal of Industrial Engineering International, 2018, 14, 793-806.	1.8	8
75	The effect of non-normality on performance of linear profile monitoring. , 2008, , .		7
76	A neural network-based control scheme for monitoring start-up processes and short runs. International Journal of Advanced Manufacturing Technology, 2010, 51, 1023-1032.	1.5	7
77	Using genetic algorithm and response surface methodology for statistically constrained optimization of VSI \bar{X} -bar control charts under multiple assignable causes and non-normality. International Journal of Advanced Manufacturing Technology, 2013, 67, 2325-2342.	1.5	7
78	An efficient integrated approach to reduce scraps of industrial manufacturing processes: a case study from gauge measurement tool production firm. International Journal of Advanced Manufacturing Technology, 2015, 76, 831-855.	1.5	7
79	Detecting outbreaks in temporally dependent networks. Quality and Reliability Engineering International, 2019, 35, 1753-1765.	1.4	7
80	GLM profile monitoring using robust estimators. Quality and Reliability Engineering International, 2021, 37, 664-680.	1.4	7
81	An explanatory study on the non-parametric multivariate T2 control chart. Journal of Modern Applied Statistical Methods, 2018, 17, .	0.2	7
82	Profile monitoring in the presence of outliers. International Journal of Advanced Manufacturing Technology, 2014, 74, 251-256.	1.5	6
83	Adaptive c -chart with estimated parameter. Communications in Statistics - Theory and Methods, 2017, 46, 87-103.	0.6	6
84	Phase I and phase II analysis of linear profile monitoring using robust estimators. Communications in Statistics - Theory and Methods, 2022, 51, 1252-1269.	0.6	6
85	Phase II Monitoring of Geometric Profiles. Communications in Statistics Part B: Simulation and Computation, 2015, 44, 1036-1049.	0.6	5
86	A hybrid machine learning approach for predicting survival of patients with prostate cancer: A SEER-based population study. Informatics in Medicine Unlocked, 2021, 27, 100763.	1.9	5
87	Online monitoring of autocorrelated multivariate linear profiles via multivariate mixed models. Quality Technology and Quantitative Management, 2022, 19, 319-340.	1.1	5
88	Monitoring multistage multivariate therapeutic processes using risk-adjusted model-based group multivariate EWMA control chart. Quality and Reliability Engineering International, 2022, 38, 2445-2474.	1.4	5
89	Two-dimensional wavelet based statistical monitoring of image data. Quality and Reliability Engineering International, 2022, 38, 3797-3815.	1.4	5
90	An EWMA -based method for monitoring polytomous logistic profiles. , 2011, , .		4

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91	Diagnosing the source(s) of a monotonic change in the process mean vector. International Journal of Advanced Manufacturing Technology, 2012, 60, 1175-1183.	1.5	4
92	Monitoring therapeutic processes using risk-adjusted multivariate Tukey's CUSUM control chart. Quality and Reliability Engineering International, 2021, 37, 2818-2833.	1.4	4
93	The extent of EFQM effectiveness in routine and non-routine organizations based on multivariate techniques: an empirical study. Operational Research, 2019, 19, 237-267.	1.3	3
94	Utilization of a robust syringe-to-syringe displacement-assisted dispersive liquid-phase microextraction to the preconcentration and determination of palladium in environmental samples with the aid of experimental design. Journal of the Iranian Chemical Society, 2020, 17, 167-176.	1.2	3
95	A nonparametric change detection approach in social networks. Quality and Reliability Engineering International, 2021, 37, 2916-2935.	1.4	3
96	Change point estimation of a normal process variance with monotonic change. Scientia Iranica, 2012, 19, 885-894.	0.3	2
97	New Statistic to Increase Correctness in Simulation Factor Screening Using Frequency Domain Method. Communications in Statistics - Theory and Methods, 2012, 41, 2242-2255.	0.6	2
98	An evaluation of the multivariate dispersion charts with estimated parameters under non-normality. Applied Stochastic Models in Business and Industry, 2017, 33, 694-716.	0.9	2
99	Bayesian Multiple Change Point Estimation of Poisson Rates in Control Charts. Scientia Iranica, 2016, 23, 316-329.	0.3	2
100	R-number Cognitive Map Method for Modeling Problems in Uncertainty and Risky Environment. International Journal of Fuzzy Systems, 2022, 24, 1455-1466.	2.3	2
101	Statistical monitoring of multivariate linear profiles. , 2008, , .		1
102	A modified variable sample size and sampling interval controlchart. International Journal of Advanced Manufacturing Technology, 2015, 84, 1303.	1.5	1
103	A Statistical Model for Determination of the Type of Knowledge Management Approach Based on Organization Processes. Transactions of Famena, 2016, 40, 43-56.	0.3	1
104	A robust-tolerance design model for destructive quality characteristics: a case study in cement industry. International Journal of Industrial and Systems Engineering, 2016, 23, 311.	0.1	1
105	Re-evaluation of the VSI-chart performance with estimated parameters. Quality and Reliability Engineering International, 2017, 33, 1943-1955.	1.4	1
106	Monitoring logistic profiles in phase I using robust cluster-based method. Quality and Reliability Engineering International, 0, , .	1.4	1
107	A Markov-based control chart for dependent binary data. , 2011, , .		0
108	SURVEILLANCE OF DIABETES PREVALENCE RATE THROUGH THE DEVELOPMENT OF A MARKOV-BASED CONTROL CHART. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250083.	0.3	0

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109	Effect of phase I estimation error on the monitoring of simple linear profiles in phase II. International Journal of Advanced Manufacturing Technology, 2015, 84, 873.	1.5	0
110	An EWMA -based method for monitoring polytomous logistic profiles. , 2011, , .		0
111	Fuzzy Risk Analysis Using Fuzzy Sampling Method : Case Study of Design a Reconfigurable Multi-Agent Supply Chain Network under Risk. Industrial Engineering and Management Systems, 2017, 16, 455-464.	0.3	0
112	Improving Sampling Using Fuzzy LHS in Healthcare Supply Chain. Industrial Engineering and Management Systems, 2018, 17, 294-301.	0.3	0