Amitava Mukherjee

List of Publications by Year
in descending order

85 papers	1,847 citations	304743 22 h-index	289244 40 g-index
85 all docs	85 docs citations	85 times ranked	1019 citing authors

#	Article	IF	Citations
1	Arsenic contamination in groundwater: a global perspective with emphasis on the Asian scenario. Journal of Health, Population and Nutrition, 2006, 24, 142-63.	2.0	273
2	Groundwater arsenic contamination in Bangladesh—21 Years of research. Journal of Trace Elements in Medicine and Biology, 2015, 31, 237-248.	3.0	130
3	A New Distribution-free Control Chart for Joint Monitoring of Unknown Location and Scale Parameters of Continuous Distributions. Quality and Reliability Engineering International, 2014, 30, 191-204.	2.3	89
4	A Distribution-free Control Chart for the Joint Monitoring of Location and Scale. Quality and Reliability Engineering International, 2012, 28, 335-352.	2.3	88
5	Distribution-free exponentially weighted moving average control charts for monitoring unknown location. Computational Statistics and Data Analysis, 2012, 56, 2539-2561.	1.2	86
6	Distribution-free Phase II CUSUM Control Chart for Joint Monitoring of Location and Scale. Quality and Reliability Engineering International, 2015, 31, 135-151.	2.3	72
7	Design and implementation of CUSUM exceedance control charts for unknown location. International Journal of Production Research, 2014, 52, 5546-5564.	7.5	55
8	Distribution-Free Exceedance CUSUM Control Charts for Location. Communications in Statistics Part B: Simulation and Computation, 2013, 42, 1153-1187.	1.2	54
9	A distribution-free phase-II CUSUM procedure for monitoring service quality. Total Quality Management and Business Excellence, 2017, 28, 1227-1263.	3.8	53
10	Optimal design of Shewhart–Lepage type schemes and its application in monitoring service quality. European Journal of Operational Research, 2018, 266, 147-167.	5.7	47
11	Control Charts for Simultaneous Monitoring of Parameters of a Shifted Exponential Distribution. Journal of Quality Technology, 2015, 47, 176-192.	2.5	42
12	Control Charts for Simultaneous Monitoring of Unknown Mean and Variance of Normally Distributed Processes. Journal of Quality Technology, 2013, 45, 360-376.	2.5	40
13	Distribution-free Lepage Type Circular-grid Charts for Joint Monitoring of Location and Scale Parameters of a Process. Quality and Reliability Engineering International, 2017, 33, 241-274.	2.3	40
14	Distribution-free Shewhart-Lepage type premier control schemes for simultaneous monitoring of location and scale. Computers and Industrial Engineering, 2017, 104, 201-215.	6.3	34
15	Comparisons of Shewhart-type rank based control charts for monitoring location parameters of univariate processes. International Journal of Production Research, 2015, 53, 4414-4445.	7.5	30
16	Distribution-free phase-II exponentially weighted moving average schemes for joint monitoring of location and scale based on subgroup samples. International Journal of Advanced Manufacturing Technology, 2017, 92, 101-116.	3.0	29
17	Some distribution-free Lepage-type schemes for simultaneous monitoring of one-sided shifts in location and scale. Computers and Industrial Engineering, 2018, 115, 653-669.	6.3	29
18	Design and implementation issues for a class of distribution-free Phase II EWMA exceedance control charts. International Journal of Production Research, 2017, 55, 2397-2430.	7.5	28

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19	A distribution-free Phase I monitoring scheme for subgroup location and scale based on the multi-sample Lepage statistic. Computers and Industrial Engineering, 2019, 129, 259-273.	6.3	28
20	Nonparametric Phase-II control charts for monitoring high-dimensional processes with unknown parameters. Journal of Quality Technology, 2022, 54, 44-64.	2.5	28
21	Optimizing joint location-scale monitoring â€" An adaptive distribution-free approach with minimal loss of information. European Journal of Operational Research, 2019, 274, 1019-1036.	5.7	26
22	Editorial to the Special Issue: Nonparametric Statistical Process Control Charts. Quality and Reliability Engineering International, 2015, 31, 1-2.	2.3	25
23	Design and Implementation of Two CUSUM Schemes for Simultaneously Monitoring the Process Mean and Variance with Unknown Parameters. Quality and Reliability Engineering International, 2016, 32, 2961-2975.	2.3	23
24	Optimal design of a distribution-free quality control scheme for cost-efficient monitoring of unknown location. International Journal of Production Research, 2016, 54, 7259-7273.	7.5	22
25	Robust algorithms for economic designing of a nonparametric control chart for abrupt shift in location. Journal of Statistical Computation and Simulation, 2016, 86, 306-323.	1.2	19
26	Interpoint distance tests for high-dimensional comparison studies. Journal of Applied Statistics, 2020, 47, 653-665.	1.3	19
27	Two CUSUM schemes for simultaneous monitoring of parameters of a shifted exponential time to events. Quality and Reliability Engineering International, 2018, 34, 1158-1173.	2.3	18
28	Some robust approaches based on copula for monitoring bivariate processes and component-wise assessment. European Journal of Operational Research, 2021, 289, 177-196.	5.7	18
29	A comparative study of some EWMA schemes for simultaneous monitoring of mean and variance of a Gaussian process. Computers and Industrial Engineering, 2019, 135, 426-439.	6.3	17
30	A combination of maxâ€type and distance based schemes for simultaneous monitoring of time between events and event magnitude. Quality and Reliability Engineering International, 2019, 35, 368-384.	2.3	17
31	Comparisons of some distribution-free CUSUM and EWMA schemes and their applications in monitoring impurity in mining process flotation. Computers and Industrial Engineering, 2019, 137, 106059.	6.3	16
32	Some simplified Shewhart-type distribution-free joint monitoring schemes and its application in monitoring drinking water turbidity. Quality Engineering, 2020, 32, 91-110.	1.1	16
33	Nonparametric Partial Sequential Test for Location Shift at an Unknown Time Point. Sequential Analysis, 2007, 26, 99-113.	0.5	15
34	Simultaneously monitoring frequency and magnitude of events based on bivariate gamma distribution. Journal of Statistical Computation and Simulation, 2017, 87, 1723-1741.	1.2	15
35	Distribution-free EWMA schemes for simultaneous monitoring of time between events and event magnitude. Computers and Industrial Engineering, 2018, 126, 317-336.	6.3	15
36	An efficient approach of designing distribution-free exponentially weighted moving average schemes with dynamic fast initial response for joint monitoring of location and scale. Journal of Statistical Computation and Simulation, 2020, 90, 2329-2353.	1.2	14

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37	Distribution-free double exponentially and homogeneously weighted moving average Lepage schemes with an application in monitoring exit rate. Computers and Industrial Engineering, 2021, 161, 107370.	6.3	14
38	Nonparametric Partial Sequential Tests for Patterned Alternatives in Multisample Problems. Sequential Analysis, 2007, 26, 443-466.	0.5	13
39	An improved design of exponentially weighted moving average scheme for monitoring attributes. International Journal of Production Research, 2020, 58, 931-946.	7.5	12
40	Controlling Type-I Error Rate in Monitoring Structural Changes Using Partially Sequential Procedures. Communications in Statistics Part B: Simulation and Computation, 2008, 37, 466-485.	1.2	11
41	A new nonparametric scheme for simultaneous monitoring of bivariate processes and its application in monitoring service quality. Quality Technology and Quantitative Management, 2018, 15, 143-156.	1.9	11
42	Geostatistical analysis of arsenic concentration in the groundwater of Malda district of West Bengal, India. Frontiers of Earth Science, 2008, 2, 292-301.	0.5	10
43	Design and comparison of some Shewhartâ€type schemes for simultaneous monitoring of Weibull parameters. Quality and Reliability Engineering International, 2019, 35, 889-901.	2.3	10
44	Distributionâ€free simultaneous tests for locationâ€"scale and Lehmann alternative in twoâ€sample problem. Biometrical Journal, 2020, 62, 99-123.	1.0	10
45	A new distribution-free Phase-I procedure for bi-aspect monitoring based on the multi-sample Cucconi statistic. Computers and Industrial Engineering, 2020, 149, 106760.	6.3	10
46	A Class of Distribution-Free Exponentially Weighted Moving Average Schemes for Joint Monitoring of Location and Scale Parameters. , 2020, , 183-217.		10
47	Simultaneous tests for patterned recognition using nonparametric partially sequential procedure. Statistical Methodology, 2008, 5, 535-551.	0.5	9
48	Some simultaneous progressive monitoring schemes for the two parameters of a zero-inflated Poisson process under unknown shifts. Journal of Quality Technology, 2019, 51, 257-283.	2.5	9
49	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
50	A new nonparametric adaptive EWMA procedures for monitoring location and scale shifts via weighted Cucconi statistic. Computers and Industrial Engineering, 2022, 170, 108321.	6.3	9
51	Some partially sequential nonparametric tests for detecting linear trend. Journal of Statistical Planning and Inference, 2011, 141, 2645-2655.	0.6	7
52	Simultaneous monitoring of origin and scale of a shifted exponential process with unknown and estimated parameters. Quality and Reliability Engineering International, 2021, 37, 242-261.	2.3	7
53	Some Rank-Based Two-Phase Procedures in Sequential Monitoring of Exchange Rate. Sequential Analysis, 2009, 28, 137-162.	0.5	6
54	A Near-Nonparametric Partially Sequential Test for Monitoring Phase II Location Under Pairwise Dependence Between Two Phases. Sequential Analysis, 2011, 30, 208-228.	0.5	6

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55	Simultaneous semi-sequential testing of dual alternatives for pattern recognition. Journal of Applied Statistics, 2011, 38, 399-419.	1.3	6
56	A class of distribution-free one-sided Cucconi schemes for joint surveillance of location and scale parameters and their application in monitoring cab services. Computers and Industrial Engineering, 2020, 148, 106625.	6.3	6
57	Performance comparisons of distribution-free Shewhart-type Lepage and Cucconi schemes in monitoring complex process distributions. Transactions of the Institute of Measurement and Control, 2020, 42, 2787-2811.	1.7	6
58	Phase-II monitoring of exponentially distributed process based on Type-II censored data for a possible shift in location–scale. Journal of Computational and Applied Mathematics, 2021, 389, 113315.	2.0	6
59	Nonparametric multivariate covariance chart for monitoring individual observations. Computers and Industrial Engineering, 2022, 167, 108025.	6.3	6
60	On compounded geometric distributions and their applications. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 1715-1734.	1.2	5
61	Two economically optimized nonparametric schemes for monitoring process variability. Quality and Reliability Engineering International, 2021, 37, 1939-1955.	2.3	5
62	A class of new nonparametric circular–grid charts for signal classification. Quality and Reliability Engineering International, 2021, 37, 2738-2759.	2.3	5
63	Adsorption Studies with Arsenic onto Ferric Hydroxide Gel in a Non-oxidizing Environment: the Effect of Co-occurring Solutes and Speciation. Water Quality Research Journal of Canada, 2006, 41, 333-340.	2.7	5
64	Semi-Sequential One-Shot Monitoring of Small Disorders With Controlled Type I Error Rate. Communications in Statistics - Theory and Methods, 2010, 39, 2829-2847.	1.0	4
65	Nonparametric Phase-II monitoring for detecting monotone trend based on inverse sampling. Statistical Methods and Applications, 2013, 22, 131-153.	1.2	4
66	One Hotelling T² chart based on transformed data for simultaneous monitoring the frequency and magnitude of an event. , 2014, , .		4
67	A rule of thumb for testing symmetry about an unknown median against a long right tail. Journal of Statistical Computation and Simulation, 2014, 84, 2138-2155.	1.2	4
68	A class of percentile modified Lepage-type tests. Metrika, 2019, 82, 657-689.	0.8	4
69	A comprehensive distribution–free scheme for tri–aspect surveillance of complex processes. Applied Stochastic Models in Business and Industry, 2021, 37, 1157-1181.	1.5	4
70	Two CUSUM schemes for simultaneous monitoring of unknown parameters of a shifted exponential process and its application in monitoring of call durations in telemarketing. Quality Technology and Quantitative Management, 2022, 19, 113-137.	1.9	4
71	Two new distribution-free two-sample tests for versatile alternative. Statistics, 2021, 55, 1123-1153.	0.6	4
72	Nonparametric cost–minimized Shewhart–type process monitoring with restricted false alarm probability. Quality and Reliability Engineering International, 2019, 35, 1846-1865.	2.3	3

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73	An assessment of the effect of using different mappings and Minkowski distances in joint monitoring of the time-between-event processes. Journal of Computational and Applied Mathematics, 2022, 404, 113776.	2.0	3
74	Distribution-free Phase-I scheme for location, scale and skewness shifts with an application in monitoring customers' waiting time. Journal of Applied Statistics, 0, , 1-21.	1.3	3
75	Comparisons of some memoryâ€type control chart for monitoring Weibullâ€distributed time between events and some new results. Quality and Reliability Engineering International, 2022, 38, 3598-3615.	2.3	3
76	Estimation procedures for grouped data â€" a comparative study. Journal of Applied Statistics, 2016, 43, 2110-2130.	1.3	2
77	Distribution-free hybrid schemes for process surveillance with application in monitoring chlorine content of water. Chemometrics and Intelligent Laboratory Systems, 2020, 206, 104099.	3.5	2
78	Performance of the Shiryaevâ€Robertsâ€type scheme in comparison to the CUSUM and EWMA schemes in monitoring weibull scale parameter based on Type I censored data. Quality and Reliability Engineering International, 0, , .	2.3	2
79	Nonparametric partially random sequential test under Phase II sampling: An illustration to monitor water samples for arsenic contamination. Sequential Analysis, 2016, 35, 465-488.	0.5	1
80	Economic Design of a Nonparametric Control Chart for Shift in Location. , 2014, , .		1
81	A distributionâ€free procedure for testing versatile alternative in medical multisample comparison studies. Statistics in Medicine, 2022, , .	1.6	1
82	Proposed nonparametric runs rules Lepage and synthetic Lepage schemes. Computers and Industrial Engineering, 2022, 172, 108217.	6.3	1
83	Nonparametric EWMA chart for simultaneous monitoring of event frequency and magnitude. , 2017, , .		0
84	A synthetic multivariate exponentially weighted moving average scheme for monitoring of bivariate Gamma distributed processes. Quality and Reliability Engineering International, 0, , .	2.3	0
85	Some two-sample tests for simultaneously comparing both parameters of the shifted exponential models. Communications in Statistics - Theory and Methods, 0, , 1-33.	1.0	0