Muhammad Aslam

List of Publications by Citations

445 papers	**5,247** citations	**36** h-index	**49** g-index
474 ext. papers	**6,378** ext. citations	**2.2** avg, IF	**7.13** L-index

#	Paper	IF	Citations
445	A group acceptance sampling plan for truncated life test having Weibull distribution. *Journal of Applied Statistics*, **2009**, 36, 1021-1027	1	100
444	Designing of a hybrid exponentially weighted moving average control chart using repetitive sampling. *International Journal of Advanced Manufacturing Technology*, **2015**, 77, 1927-1933	3.2	98
443	Variables sampling inspection scheme for resubmitted lots based on the process capability index Cpk. *European Journal of Operational Research*, **2012**, 217, 560-566	5.6	93
442	Variable sampling inspection for resubmitted lots based on process capability index Cpk for normally distributed items. *Applied Mathematical Modelling*, **2013**, 37, 667-675	4.5	88
441	A New Sampling Plan Using Neutrosophic Process Loss Consideration. *Symmetry*, **2018**, 10, 132	2.7	85
440	Strengthening of RC beams using prestressed fiber reinforced polymers – A review. *Construction and Building Materials*, **2015**, 82, 235-256	6.7	80
439	Spherical fuzzy sets and its representation of spherical fuzzy t-norms and t-conorms. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 6089-6102	1.6	71
438	Oil-palm by-products as lightweight aggregate in concrete mixture: a review. *Journal of Cleaner Production*, **2016**, 126, 56-73	10.3	71
437	Capability indices for Birnbaum-Saunders processes applied to electronic and food industries. *Journal of Applied Statistics*, **2014**, 41, 1881-1902	1	69
436	Time truncated acceptance sampling plans for generalized exponential distribution. *Journal of Applied Statistics*, **2010**, 37, 555-566	1	69
435	Designing of X-bar control charts based on process capability index using repetitive sampling. *Transactions of the Institute of Measurement and Control*, **2014**, 36, 367-374	1.8	61
434	Bipolar fuzzy soft sets and its applications in decision making problem. *Journal of Intelligent and Fuzzy Systems*, **2014**, 27, 729-742	1.6	61
433	A mixed repetitive sampling plan based on process capability index. *Applied Mathematical Modelling*, **2013**, 37, 10027-10035	4.5	60
432	Developing a variables repetitive group sampling plan based on process capability index C pk with unknown mean and variance. *Journal of Statistical Computation and Simulation*, **2013**, 83, 1507-1517	0.9	59
431	Benefits of using blended waste coarse lightweight aggregates in structural lightweight aggregate concrete. *Journal of Cleaner Production*, **2016**, 119, 108-117	10.3	58
430	Designing of a new monitoring t-chart using repetitive sampling. *Information Sciences*, **2014**, 269, 210-216	6.7	55
429	N-soft topology and its applications to multi-criteria group decision making. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 6521-6536	1.6	48

428	Burr-XII Distribution Parametric Estimation and Estimation of Reliability of Multicomponent Stress-Strength. *Communications in Statistics - Theory and Methods*, **2015**, 44, 4953-4961	0.5	48
427	Variable repetitive group sampling plans with process loss consideration. *Journal of Statistical Computation and Simulation*, **2011**, 81, 1417-1432	0.9	48
426	A control chart for an exponential distribution using multiple dependent state sampling. *Quality and Quantity*, **2015**, 49, 455-462	2.4	47
425	Multiple dependent state variable sampling plans with process loss consideration. *International Journal of Advanced Manufacturing Technology*, **2014**, 71, 1337-1343	3.2	47
424	Multiple Dependent State Sampling Plan Based on Process Capability Index. *Journal of Testing and Evaluation*, **2013**, 41, 20120012	1	47
423	Manufacturing of high-strength lightweight aggregate concrete using blended coarse lightweight aggregates. *Journal of Building Engineering*, **2017**, 13, 53-62	5.2	46
422	A new attribute control chart using multiple dependent state sampling. *Transactions of the Institute of Measurement and Control*, **2015**, 37, 569-576	1.8	45
421	Design of Sampling Plan for Exponential Distribution Under Neutrosophic Statistical Interval Method. *IEEE Access*, **2018**, 6, 64153-64158	3.5	45
420	A new exponentially weighted moving average sign chart using repetitive sampling. *Journal of Process Control*, **2014**, 24, 1149-1153	3.9	44
419	Testing of Grouped Product for the Weibull Distribution Using Neutrosophic Statistics. *Symmetry*, **2018**, 10, 403	2.7	43
418	Neutrosophic analysis of variance: application to university students. *Complex & Intelligent Systems*, **2019**, 5, 403-407	7.1	41
417	Attribute Control Charts for the Weibull Distribution under Truncated Life Tests. *Quality Engineering*, **2015**, 27, 283-288	1.4	40
416	Monitoring the Variability in the Process Using Neutrosophic Statistical Interval Method. *Symmetry*, **2018**, 10, 562	2.7	39
415	A mixed control chart to monitor the process. *International Journal of Production Research*, **2015**, 53, 4684-4693	7.8	38
414	Repetitive variable acceptance sampling plan for one-sided specification. *Journal of Statistical Computation and Simulation*, **2015**, 85, 1102-1116	0.9	38
413	Utilizing Linguistic Picture Fuzzy Aggregation Operators for Multiple-Attribute Decision-Making Problems. *International Journal of Fuzzy Systems*, **2020**, 22, 310-320	3.6	38
412	Design of a New Attribute Control Chart Under Neutrosophic Statistics. *International Journal of Fuzzy Systems*, **2019**, 21, 433-440	3.6	38
411	Mixed Acceptance Sampling Plans for Product Inspection Using Process Capability Index. *Quality Engineering*, **2014**, 26, 450-459	1.4	37

410	Multiple dependent state repetitive group sampling plan for Burr XII distribution. *Quality Engineering*, **2016**, 28, 231-237	1.4	36
409	Cleaner Production Evaluation in Gold Mines Using Novel Distance Measure Method with Cubic Picture Fuzzy Numbers. *International Journal of Fuzzy Systems*, **2019**, 21, 2448-2461	3.6	36
408	New acceptance sampling plans based on life tests for Birnbaum-Saunders distributions. *Journal of Statistical Computation and Simulation*, **2011**, 81, 461-470	0.9	35
407	Drying shrinkage behaviour of structural lightweight aggregate concrete containing blended oil palm bio-products. *Journal of Cleaner Production*, **2016**, 127, 183-194	10.3	34
406	Design of progressively censored group sampling plans for Weibull distributions: An optimization problem. *European Journal of Operational Research*, **2011**, 211, 525-532	5.6	33
405	A control chart using an auxiliary variable and repetitive sampling for monitoring process mean. *Journal of Statistical Computation and Simulation*, **2015**, 85, 3289-3296	0.9	32
404	Application of Neutrosophic Logic to Evaluate Correlation between Prostate Cancer Mortality and Dietary Fat Assumption. *Symmetry*, **2019**, 11, 330	2.7	30
403	Construction of chaotic quantum magnets and matrix Lorenz systems S-boxes and their applications. *Chinese Journal of Physics*, **2018**, 56, 1609-1621	3.5	30
402	New Attributes and Variables Control Charts under Repetitive Sampling. *Industrial Engineering and Management Systems*, **2014**, 13, 101-106	2.5	30
401	The design of a new repetitive sampling control chart based on process capability index. *Transactions of the Institute of Measurement and Control*, **2016**, 38, 971-980	1.8	29
400	A lot inspection sampling plan based on EWMA yield index. *International Journal of Advanced Manufacturing Technology*, **2014**, 75, 861-868	3.2	29
399	A Mixed EWMA-CUSUM Control Chart for Weibull-Distributed Quality Characteristics. *Quality and Reliability Engineering International*, **2016**, 32, 2987-2994	2.6	29
398	An algorithm for the construction of substitution box for block ciphers based on projective general linear group. *AIP Advances*, **2017**, 7, 035116	1.5	28
397	A noise resistant symmetric key cryptosystem based on S8 S-boxes and chaotic maps. *European Physical Journal Plus*, **2018**, 133, 1	3.1	28
396	A double acceptance sampling plan for generalized log-logistic distributions with known shape parameters. *Journal of Applied Statistics*, **2010**, 37, 405-414	1	28
395	New multicriteria group decision support systems for small hydropower plant locations selection based on intuitionistic cubic fuzzy aggregation information. *International Journal of Intelligent Systems*, **2020**, 35, 983-1020	8.4	27
394	Repetitive acceptance sampling plans for burr type XII percentiles. *International Journal of Advanced Manufacturing Technology*, **2013**, 68, 495-507	3.2	27
393	Acceptance sampling plans based on truncated life tests for weighted exponential distribution. *Communications in Statistics Part B: Simulation and Computation*, **2017**, 46, 2138-2151	0.6	26

392	On detecting outliers in complex data using Dixon's test under neutrosophic statistics. *Journal of King Saud University - Science*, **2020**, 32, 2005-2008	3.6	26
391	A new approach to estimate damage in concrete beams using non-linearity. *Construction and Building Materials*, **2016**, 124, 1081-1089	6.7	26
390	Assessment of Rheological and Piezoresistive Properties of Graphene based Cement Composites. *International Journal of Concrete Structures and Materials*, **2018**, 12,	2.8	26
389	A control chart for multivariate Poisson distribution using repetitive sampling. *Journal of Applied Statistics*, **2017**, 44, 123-136	1	25
388	Psychometric study of depression, anxiety and stress among university students. *Zeitschrift Fur Gesundheitswissenschaften*, **2018**, 26, 211-217	1.4	25
387	Multiple states repetitive group sampling plans with process loss consideration. *Applied Mathematical Modelling*, **2013**, 37, 9063-9075	4.5	25
386	A new control chart for exponential distributed life using EWMA. *Transactions of the Institute of Measurement and Control*, **2015**, 37, 205-210	1.8	24
385	Introducing Kolmogorov-Smirnov Tests under Uncertainty: An Application to Radioactive Data. *ACS Omega*, **2020**, 5, 914-917	3.9	24
384	A New Attribute Control Chart Using Multiple Dependent State Repetitive Sampling. *IEEE Access*, **2017**, 5, 6192-6197	3.5	23
383	A EWMA Control Chart for Exponential Distributed Quality Based on Moving Average Statistics. *Quality and Reliability Engineering International*, **2016**, 32, 1179-1190	2.6	23
382	Capability Indices for Non-Normal Distribution Using Gini's Mean Difference as Measure of Variability. *IEEE Access*, **2016**, 4, 7322-7330	3.5	23
381	Design of New Sampling Plans for Multiple Manufacturing Lines Under Uncertainty. *International Journal of Fuzzy Systems*, **2019**, 21, 978-992	3.6	23
380	Utilization of sugarcane bagasse ash as cement replacement for the production of sustainable concrete – A review. *Construction and Building Materials*, **2021**, 270, 121371	6.7	23
379	Bootstrap Confidence Intervals of the Modified Process Capability Index for Weibull distribution. *Arabian Journal for Science and Engineering*, **2017**, 42, 4565-4573	2.5	22
378	Recent research on cold-formed steel beams and columns subjected to elevated temperature: A review. *Construction and Building Materials*, **2017**, 144, 686-701	6.7	22
377	A Control Chart for COM-Poisson Distribution Using Multiple Dependent State Sampling. *Quality and Reliability Engineering International*, **2016**, 32, 2803-2812	2.6	22
376	A repetitive group sampling plan by variables inspection for product acceptance determination. *European Journal of Industrial Engineering*, **2015**, 9, 308	1.1	22
375	Two-Stage Variables Acceptance Sampling Plans Using Process Loss Functions. *Communications in Statistics - Theory and Methods*, **2012**, 41, 3633-3647	0.5	22

374	Optimal designing of an SkSP-V skip-lot sampling plan with double-sampling plan as the reference plan. *International Journal of Advanced Manufacturing Technology*, **2012**, 60, 733-740	3.2	22
373	An attribute control chart for a Weibull distribution under accelerated hybrid censoring. *PLoS ONE*, **2017**, 12, e0173406	3.7	22
372	Nanomedicine in treatment of breast cancer - A challenge to conventional therapy. *Seminars in Cancer Biology*, **2021**, 69, 279-292	12.7	22
371	Bootstrap confidence intervals of CNpk for inverse Rayleigh and log-logistic distributions. *Journal of Statistical Computation and Simulation*, **2016**, 86, 862-873	0.9	21
370	Mixed Control Charts Using EWMA Statistics. *IEEE Access*, **2016**, 4, 8286-8293	3.5	21
369	Attribute Control Chart Using the Repetitive Sampling Under Neutrosophic System. *IEEE Access*, **2019**, 7, 15367-15374	3.5	20
368	A new S2 control chart using repetitive sampling. *Journal of Applied Statistics*, **2015**, 42, 2485-2496	1	20
367	Multiple dependent state repetitive sampling plans based on one-sided process capability indices. *Communications in Statistics - Theory and Methods*, **2018**, 47, 1403-1412	0.5	20
366	Optimal Design of Skip Lot Group Acceptance Sampling Plans for the Weibull Distribution and the Generalized Exponential Distribution. *Quality Engineering*, **2013**, 25, 237-246	1.4	20
365	A Control Chart for Gamma Distribution using Multiple Dependent State Sampling. *Industrial Engineering and Management Systems*, **2017**, 16, 109-117	2.5	20
364	Control Chart for Failure-Censored Reliability Tests under Uncertainty Environment. *Symmetry*, **2018**, 10, 690	2.7	20
363	A new attribute sampling plan using neutrosophic statistical interval method. *Complex & Intelligent Systems*, **2019**, 5, 365-370	7.1	19
362	Acceptance sampling plans for multi-stage process based on time-truncated test for Weibull distribution. *International Journal of Advanced Manufacturing Technology*, **2015**, 79, 1779-1785	3.2	19
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360	Skip-Lot Sampling Plan of Type SkSP-2 with Two-Stage Group Acceptance Sampling Plan as Reference Plan. *Communications in Statistics Part B: Simulation and Computation*, **2014**, 43, 777-789	0.6	19
359	Repetitive Group Sampling Plan Based on Truncated Tests for Weibull Models. *Research Journal of Applied Sciences, Engineering and Technology*, **2014**, 7, 1917-1924	0.2	19
358	A new nonparametric double exponentially weighted moving average control chart. *Quality and Reliability Engineering International*, **2020**, 36, 68-87	2.6	19
357	Novel q-rung orthopair fuzzy interaction aggregation operators and their application to low-carbon green supply chain management. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 4109-4126	1.6	19

356	A new variable control chart using neutrosophic interval method-an application to automobile industry. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 2615-2623	1.6	18
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348	Linear Diophantine Fuzzy Relations and Their Algebraic Properties with Decision Making. *Symmetry*, **2021**, 13, 945	2.7	17
347	A new method to analyze rock joint roughness coefficient based on neutrosophic statistics. *Measurement: Journal of the International Measurement Confederation*, **2019**, 146, 65-71	4.6	16
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344	Structures of bipolar fuzzy Hyperideals in Semihypergroups. *Journal of Intelligent and Fuzzy Systems*, **2014**, 27, 3015-3032	1.6	16
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341	Novel Approach for Third-Party Reverse Logistic Provider Selection Process under Linear Diophantine Fuzzy Prioritized Aggregation Operators. *Symmetry*, **2021**, 13, 1152	2.7	16
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338	Economic Design of SkSP-R Skip-Lot Sampling Plan. *Journal of Testing and Evaluation*, **2015**, 43, 20140081	1	15
337	Marshall–Olkin Power Lomax distribution for modeling of wind speed data. *Energy Reports*, **2020**, 6, 1118-1123	4.6	15
336	A study on skewness and kurtosis estimators of wind speed distribution under indeterminacy. *Theoretical and Applied Climatology*, **2021**, 143, 1227-1234	3	15
335	Determination of a new mixed variable lot-size multiple dependent state sampling plan based on the process capability index. *Communications in Statistics - Theory and Methods*, **2018**, 47, 615-627	0.5	14
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333	High Strength Lightweight Aggregate Concrete using Blended Coarse Lightweight Aggregate Origin from Palm Oil Industry **2017**, 46, 667-675		14
332	A New Failure-Censored Reliability Test Using Neutrosophic Statistical Interval Method. *International Journal of Fuzzy Systems*, **2019**, 21, 1214-1220	3.6	14
331	A new system of skip-lot sampling plans including resampling. *Scientific World Journal, The*, **2014**, 2014, 192412	2.2	13
330	A new type of fuzzy normal subgroups and fuzzy cosets. *Journal of Intelligent and Fuzzy Systems*, **2013**, 25, 37-47	1.6	13
329	Group acceptance sampling plans for resubmitted lots under Burr-type XII distributions. *Journal of the Chinese Institute of Industrial Engineers*, **2011**, 28, 606-615		13
328	Optimum Oil Palm Shell Content as Coarse Aggregate in Concrete Based on Mechanical and Durability Properties. *Advances in Materials Science and Engineering*, **2018**, 2018, 1-14	1.5	13
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326	An approach towards decision making and shortest path problems using the concepts of interval-valued Pythagorean fuzzy information. *International Journal of Intelligent Systems*, **2019**, 34, 2403-2428	8.4	12
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315	Cubic soft expert sets and their application in decision making. *Journal of Intelligent and Fuzzy Systems*, **2016**, 31, 1585-1596	1.6	11
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313	A new lot inspection procedure based on exponentially weighted moving average. *International Journal of Systems Science*, **2013**, 1-9	2.3	11
312	Introducing Grubbs's test for detecting outliers under neutrosophic statistics An application to medical data. *Journal of King Saud University - Science*, **2020**, 32, 2696-2700	3.6	11
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310	A mixed double sampling plan based on Cpk. *Communications in Statistics - Theory and Methods*, **2020**, 49, 1840-1857	0.5	11
309	A HEWMA-CUSUM control chart for the Weibull distribution. *Communications in Statistics - Theory and Methods*, **2018**, 47, 5973-5985	0.5	11
308	Monitoring the Process Based on Belief Statistic for Neutrosophic Gamma Distributed Product. *Processes*, **2019**, 7, 209	2.9	10
307	Attribute control chart for some popular distributions. *Communications in Statistics - Theory and Methods*, **2018**, 47, 1978-1988	0.5	10
306	Improved double acceptance sampling plan based on truncated life test for some popular statistical distributions. *Journal of Statistical Computation and Simulation*, **2016**, 86, 477-493	0.9	10
305	Decision Rule Based on Group Sampling Plan Under the Inverse Gaussian Distribution. *Sequential Analysis*, **2013**, 32, 71-82	0.7	10
304	Acceptance sampling plan for multiple manufacturing lines using EWMA process capability index. *Journal of Advanced Mechanical Design, Systems and Manufacturing*, **2017**, 11, JAMDSM0004-JAMDSM0004	0.6	10
303	Mixed Multiple Dependent State Sampling Plans Based on Process Capability Index. *Journal of Testing and Evaluation*, **2015**, 43, 20130009	1	10

302	Appropriate drying shrinkage prediction models for lightweight concrete containing coarse agro-waste aggregate. *Journal of Building Engineering*, **2020**, 29, 101148	5.2	10
301	A modified-mxEWMA location chart for the improved process monitoring using auxiliary information and its application in wood industry. *Quality Technology and Quantitative Management*, **2020**, 17, 561-579	1.9	10
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295	Trapezoidal Linguistic Cubic Fuzzy TOPSIS Method and Application in a Group Decision Making Program. *Journal of Intelligent Systems*, **2019**, 29, 1283-1300	1.5	9
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281	A Robust Watermarking Scheme for Online Multimedia Copyright Protection Using New Chaotic Map. *Security and Communication Networks*, **2018**, 2018, 1-20	1.9	9
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278	Control Charts for Monitoring Process Capability Index Using Median Absolute Deviation for Some Popular Distributions. *Processes*, **2019**, 7, 287	2.9	8
277	Design of a Control Chart for Gamma Distributed Variables Under the Indeterminate Environment. *IEEE Access*, **2019**, 7, 8858-8864	3.5	8
276	A Nonparametric Repetitive Sampling DEWMA Control Chart Based on Linear Prediction. *IEEE Access*, **2020**, 8, 74977-74990	3.5	8
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