Sanku Dey

List of Publications by Year
in descending order

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76	1,422	331670	414414
papers	citations	21 h-index	32 g-index

76	76	76	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimation and prediction for a progressively censored generalized inverted exponential distribution. Statistical Methodology, 2016, 32, 185-202.	0.5	69
2	Weighted exponential distribution: properties and different methods of estimation. Journal of Statistical Computation and Simulation, 2015, 85, 3641-3661.	1.2	67
3	Two-Parameter Rayleigh Distribution: Different Methods of Estimation. American Journal of Mathematical and Management Sciences, 2014, 33, 55-74.	0.9	65
4	Estimation of reliability of multicomponent stressâ€“strength for a Kumaraswamy distribution. Communications in Statistics - Theory and Methods, 2017, 46, 1560-1572.	1.0	65
5	Exponentiated Chen distribution: Properties and estimation. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 8118-8139.	1.2	59
6	A New Extension of Generalized Exponential Distribution with Application to Ozone Data. Ozone: Science and Engineering, 2017, 39, 273-285.	2.5	58
7	A new extension of Weibull distribution: Properties and different methods of estimation. Journal of Computational and Applied Mathematics, 2018, 336, 439-457.	2.0	55
8	Kumaraswamy distribution: different methods of estimation. Computational and Applied Mathematics, 2018, 37, 2094-2111.	1.3	49
9	Analysis of Weibull Distribution Under Adaptive Type-II Progressive Hybrid Censoring Scheme. Journal of the Indian Society for Probability and Statistics, 2018, 19, 25-65.	0.8	46
10	Statistical Inference for the Rayleigh distribution under progressively Type-II censoring with binomial removal. Applied Mathematical Modelling, 2014, 38, 974-982.	4.2	40
11	On Progressively Type-II Censored Two-parameter Rayleigh Distribution. Communications in Statistics Part B: Simulation and Computation, 2016, 45, 438-455.	1.2	38
12	A New Extension of Weibull Distribution with Application to Lifetime Data. Annals of Data Science, 2017, 4, 31-61.	3.2	38
13	On estimating the reliability in a multicomponent stress-strength model based on Chen distribution. Communications in Statistics - Theory and Methods, 2020, 49, 2429-2447.	1.0	38
14	Bootstrap confidence intervals of generalized process capability indexC_{pyk}for Lindley and power Lindley distributions. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 249-262.	1.2	36
15	Statistical inference for the generalized inverted exponential distribution based on upper record values. Mathematics and Computers in Simulation, 2016, 120, 64-78.	4.4	34
16	Statistical properties and different methods of estimation of Gompertz distribution with application. Journal of Statistics and Management Systems, 2018, 21, 839-876.	0.6	34
17	Improved maximum-likelihood estimators for the parameters of the unit-gamma distribution. Communications in Statistics - Theory and Methods, 2018, 47, 3767-3778.	1.0	32
18	Two-parameter Maxwell distribution: Properties and different methods of estimation. Journal of Statistical Theory and Practice, 2016, 10, 291-310.	0.5	30

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19	Comparisons of Methods of Estimation for the NH Distribution. Annals of Data Science, 2017, 4, 441-455.	3.2	28
20	Parametric and non-parametric bootstrap confidence intervals ofC_{Npk}for exponential power distribution. Journal of Industrial and Production Engineering, 2018, 35, 160-169.	3.1	27
21	Different estimation methods for exponentiated Rayleigh distribution under constantâ€stress accelerated life test. Quality and Reliability Engineering International, 2018, 34, 1633-1645.	2.3	26
22	Bootstrap confidence intervals of generalized process capability indexC_{pyk}using different methods of estimation. Journal of Applied Statistics, 2019, 46, 1843-1869.	1.3	24
23	Inference on Nadarajahâ€“Haghighi distribution with constant stress partially accelerated life tests under progressive type-II censoring. Journal of Applied Statistics, 2022, 49, 2891-2912.	1.3	24
24	Classical methods of estimation on constant stress accelerated life tests under exponentiated Lindley distribution. Journal of Applied Statistics, 2020, 47, 975-996.	1.3	21
25	Bootstrap confidence intervals of CpTk for two parameter logistic exponential distribution with applications. International Journal of Systems Assurance Engineering and Management, 2019, 10, 623-631.	2.4	19
26	Rayleigh distribution revisited via ranked set sampling. Metron, 2017, 75, 69-85.	1.2	18
27	Classical and Bayesian inference ofCpyfor generalized Lindley distributed quality characteristic. Quality and Reliability Engineering International, 2019, 35, 2593-2611.	2.3	18
28	Statistical Inference for the power Lindley model based on record values and inter-record times. Journal of Computational and Applied Mathematics, 2019, 347, 156-172.	2.0	17
29	Improved bootstrap confidence intervals for the process capability index Cpk. Communications in Statistics Part B: Simulation and Computation, 2020, 49, 2583-2603.	1.2	17
30	Bootstrap confidence intervals of process capability indexS_{pmk}using different methods of estimation. Journal of Statistical Computation and Simulation, 2020, 90, 28-50.	1.2	17
31	On a new extension of Weibull distribution: Properties, estimation, and applications to one and two causes of failures. Quality and Reliability Engineering International, 2020, 36, 2019-2043.	2.3	17
32	Double and group acceptance sampling plan for truncated life test based on inverse log-logistic distribution. Journal of Applied Statistics, 2021, 48, 1227-1242.	1.3	17
33	Confidence intervals of the index C_{pk} for normally distributed quality characteristics using classical and Bayesian methods of estimation. Brazilian Journal of Probability and Statistics, 2021, 35, .	0.4	17
34	Generalized inverted exponential distribution under constant stress accelerated life test: Different estimation methods with application. Quality and Reliability Engineering International, 2020, 36, 1296-1312.	2.3	16
35	Statistical properties and different methods of estimation of transmuted Rayleigh distribution. Revista Colombiana De Estadistica, 2017, 40, 165-203.	0.4	16
36	Estimation of reliability of multicomponent stress-strength of a bathtub shape or increasing failure rate function. International Journal of Quality and Reliability Management, 2019, 36, 122-136.	2.0	14

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37	Estimation of Lindley constant-stress model via product of spacing with Type-II censored accelerated life data. Communications in Statistics Part B: Simulation and Computation, 2024, 53, 288-314.	1.2	13
38	A Note on Prediction Interval for a Rayleigh Distribution: Bayesian Approach. American Journal of Mathematical and Management Sciences, 2007, 27, 43-48.	0.9	12
39	Bootstrap confidence intervals of the difference between two generalized process capability indices for inverse Lindley distribution. Life Cycle Reliability and Safety Engineering, 2018, 7, 89-96.	1.0	12
40	Single and double acceptance sampling plans for truncated life tests based on transmuted Rayleigh distribution. Journal of Industrial and Production Engineering, 2021, 38, 356-368.	3.1	12
41	Bayesian and non-Bayesian reliability estimation of multicomponent stressâ€“strength model for unit Weibull distribution. Journal of Taibah University for Science, 2020, 14, 1164-1181.	2.5	11
42	BAYESIAN ESTIMATION OF THE SHAPE PARAMETER OF THE GENERALISED EXPONENTIAL DISTRIBUTION UNDER DIFFERENT LOSS FUNCTIONS. Pakistan Journal of Statistics and Operation Research, 2010, 6, 163.	1.1	11
43	Analysis of progressive type-II censored gamma distribution. Computational Statistics, 2023, 38, 481-508.	1.5	10
44	Asymptotic and Bootstrap Confidence Intervals for the Process Capability Indexc_{py}Based on Lindley Distributed Quality Characteristic. American Journal of Mathematical and Management Sciences, 2020, 39, 75-89.	0.9	9
45	Bivariate exponentiated half logistic distribution: Properties and application. Communications in Statistics - Theory and Methods, 2020, , 1-23.	1.0	9
46	On length and area-biased Maxwell distributions. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 1506-1528.	1.2	8
47	Classical Estimation of the Index <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="script">S</mml:mi></mml:mrow><mml:mrow><mml:mtext>pmk</mml:mtext></mml:mrow></mml:msub></mml:mrow> and Its Confidence Intervals for Power Lindley Distributed Quality Characteristics. Mathematical Problems in Engineering, 2020, 2020, 1-17.	1.1	7
48	On estimation procedures of constant stress accelerated life test for generalized inverse lindley distribution. Quality and Reliability Engineering International, 2022, 38, 211-228.	2.3	7
49	Parametric inference of the process capability index for exponentiated exponential distribution. Journal of Applied Statistics, 2022, 49, 4097-4121.	1.3	7
50	Parametric inference of the loss based index Cpm for normal distribution. Quality and Reliability Engineering International, 2022, 38, 405-431.	2.3	7
51	Estimation Based on Adaptive Progressively Censored under Competing Risks Model with Engineering Applications. Mathematical Problems in Engineering, 2022, 2022, 1-13.	1.1	7
52	Parametric inference of generalized process capability index C_{pyk} for the power Lindley distribution. Quality Technology and Quantitative Management, 2022, 19, 153-186.	1.9	7
53	Statistical Inference of Exponentiated Moment Exponential Distribution Based on Lower Record Values. Communications in Mathematics and Statistics, 2017, 5, 231-260.	1.5	6
54	Inference for dependence competing risks with partially observed failure causes from bivariate Gompertz distribution under generalized progressive hybrid censoring. Quality and Reliability Engineering International, 2021, 37, 1150-1172.	2.3	6

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55	Multicomponent stress-strength reliability estimation based on unit generalized Rayleigh distribution. International Journal of Quality and Reliability Management, 2021, 38, 2048-2079.	2.0	6
56	Statistical inference based on generalized Lindley record values. Journal of Applied Statistics, 2020, 47, 1543-1561.	1.3	5
57	Weighted inverted Weibull distribution: Properties and estimation. Journal of Statistics and Management Systems, 2020, 23, 843-885.	0.6	5
58	Acceptance sampling inspection plan for the Lindley and power Lindley distributed quality characteristics. International Journal of Systems Assurance Engineering and Management, 2021, 12, 1410-1419.	2.4	5
59	Comparison between two generalized process capability indices for Burr XII distribution using bootstrap confidence intervals. Life Cycle Reliability and Safety Engineering, 2019, 8, 347-355.	1.0	4
60	Bounded Weighted Exponential Distribution with Applications. American Journal of Mathematical and Management Sciences, 2021, 40, 68-87.	0.9	4
61	Classical and Bayesian estimation of the indexC_{pmk}and its confidence intervals for normally distributed quality characteristic. Journal of Statistical Computation and Simulation, 2021, 91, 1911-1934.	1.2	4
62	Toppâ€“Leone odd log-logistic exponential distribution: Its improved estimators and applications. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20190586.	0.8	3
63	A new approach of time truncated chain sampling inspection plan and its applications. International Journal of Systems Assurance Engineering and Management, 2022, 13, 2307-2326.	2.4	3
64	Inference of dependent left-truncated and right-censored competing risks data from a general bivariate class of inverse exponentiated distributions. Statistics, 2022, 56, 347-374.	0.6	3
65	Reliability analysis of exponentiated Poissonâ€exponential constant stress accelerated life test model. Quality and Reliability Engineering International, 2021, 37, 2853-2874.	2.3	2
66	Estimation of Multicomponent Reliability Based on Progressively Type II Censored Data from Unit Weibull Distribution. WSEAS Transactions on Mathematics, 2021, 20, 288-299.	0.5	2
67	Inverse Lindley power series distributions: a new compounding family and regression model with censored data. Journal of Applied Statistics, 2022, 49, 3451-3476.	1.3	2
68	Bayesian Inference on the Shape Parameter and Future Observation of Exponentiated Family of Distributions. Journal of Probability and Statistics, 2011, 2011, 1-17.	0.7	1
69	Inference based on partly interval censored data from a two-parameter Rayleigh distribution. Journal of Statistical Computation and Simulation, 2021, 91, 2527-2550.	1.2	1
70	The Complementary Exponentiated Lomax-Poisson Distribution with Applications to Bladder Cancer and Failure Data. Austrian Journal of Statistics, 2021, 50, 77-105.	0.6	1
71	Parametric Confidence Intervals of S_{pmk} for Generalized Exponential Distribution. American Journal of Mathematical and Management Sciences, 2022, 41, 201-222.	0.9	1
72	Methods of Estimation and Bias Corrected Maximum Likelihood Estimators of Unit Burr III Distribution. American Journal of Mathematical and Management Sciences, 2022, 41, 316-333.	0.9	1

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73	Estimation for Weibull Parameters with Generalized Progressive Hybrid Censored Data. Journal of Mathematics, 2021, 2021, 1-13.	1.0	1
74	Classical and Bayesian Inference of the Inverse Nakagami Distribution Based on Progressive Type-II Censored Samples. Mathematics, 2022, 10, 2137.	2.2	1
75	MCMC Method for Exponentiated Lomax Distribution based on Accelerated Life Testing with Type I Censoring. WSEAS Transactions on Mathematics, 2021, 20, 319-334.	0.5	0
76	Inference on generalized inverted exponential distribution based on record values and inter-record times. Afrika Matematika, 2022, 33, .	0.8	0