

Mohamed Kayid

List of Publications by Year in descending order

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papers

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all docs

74
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74
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	ON THE MEAN INACTIVITY TIME ORDERING WITH RELIABILITY APPLICATIONS. Probability in the Engineering and Informational Sciences, 2004, 18, .	0.8	82
2	FURTHER RESULTS INVOLVING THE MIT ORDER AND THE IMIT CLASS. Probability in the Engineering and Informational Sciences, 2005, 19, 377-395.	0.8	62
3	Mean Inactivity Time Function, Associated Orderings, and Classes of Life Distributions. IEEE Transactions on Reliability, 2014, 63, 593-602.	4.6	52
4	CHARACTERIZATIONS OF THE RHR AND MIT ORDERINGS AND THE DRHR AND IMIT CLASSES OF LIFE DISTRIBUTIONS. Probability in the Engineering and Informational Sciences, 2005, 19, 447-461.	0.8	51
5	Further Results Involving the Mean Time to Failure Order, and the Decreasing Mean Time to Failure Class. IEEE Transactions on Reliability, 2013, 62, 670-678.	4.6	28
6	Reliability Analysis of the Harmonic Mean Inactivity Time Order. IEEE Transactions on Reliability, 2013, 62, 329-337.	4.6	27
7	A new family of Marshall's Olkin extended generalized linear exponential distribution. Journal of Computational and Applied Mathematics, 2016, 296, 576-592.	2.0	17
8	Some results on the relative ordering of two frailty models. Statistical Papers, 2017, 58, 287-301.	1.2	16
9	Preservation properties for the Laplace transform ordering of residual lives. Statistical Papers, 2004, 45, 583-590.	1.2	15
10	A new family of Marshall's Olkin extended distributions. Journal of Computational and Applied Mathematics, 2014, 271, 369-379.	2.0	13
11	Bivariate quantile residual life: a characterization theorem and statistical properties. Statistical Papers, 2019, 60, 2001-2012.	1.2	13
12	An aging notion derived from the increasing convex ordering: the NBUCA class. Journal of Statistical Planning and Inference, 2006, 136, 555-569.	0.6	12
13	Characterizations of the exponential distribution by the concept of residual life at random time. Statistics and Probability Letters, 2015, 107, 164-169.	0.7	11
14	Some new results about the variance inactivity time ordering with applications. Applied Mathematical Modelling, 2016, 40, 3832-3842.	4.2	11
15	Stochastic comparisons of order statistics from heterogeneous random variables with Archimedean copula. Metrika, 2017, 80, 749-766.	0.8	11
16	Laplace transform ordering of time to failure in age replacement models. Journal of the Korean Statistical Society, 2016, 45, 101-113.	0.4	10
17	The NBUT Class of Life Distributions. IEEE Transactions on Reliability, 2005, 54, 396-401.	4.6	9
18	A general family of NBU classes of life distributions. Statistical Methodology, 2007, 4, 185-195.	0.5	8

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19	A new extended mixture model of residual lifetime distributions. <i>Operations Research Letters</i> , 2015, 43, 183-188.	0.7	8
20	Relative stochastic comparisons of additive frailty models. <i>Journal of Inequalities and Applications</i> , 2016, 2016, .	1.1	8
21	Stochastic properties of a weighted frailty model. <i>Statistical Papers</i> , 2019, 60, 53-72.	1.2	8
22	Reversed preservation of stochastic orders for random minima and maxima with applications. <i>Statistical Papers</i> , 2007, 48, 283-293.	1.2	7
23	Combination of mean residual life order with reliability applications. <i>Statistical Methodology</i> , 2016, 29, 51-69.	0.5	7
24	Increasing Mean Inactivity Time Ordering: A Quantile Approach. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	6
25	Testing NBU(2) class of life distribution based on goodness of fit approach. <i>Journal of King Saud University - Science</i> , 2010, 22, 241-245.	3.5	5
26	General proportional mean residual life model. <i>Applications of Mathematics</i> , 2016, 61, 607-622.	0.9	5
27	Proportional reversed hazard rates weighted frailty model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121308.	2.6	5
28	A Nonparametric Estimator of Bivariate Quantile Residual Life Model with Application to Tumor Recurrence Data Set. <i>Journal of Classification</i> , 2020, 37, 237-253.	2.2	5
29	A New Family of Quadratic Hazard Rate-Geometric Distributions With Reliability Applications. <i>Journal of Testing and Evaluation</i> , 2016, 44, 1937-1948.	0.7	5
30	Median Inactivity Time Function and its Reliability Properties. <i>Economic Quality Control</i> , 2010, 25, .	0.3	4
31	Residual Probability Function, Associated Orderings, and Related Aging Classes. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	1.1	4
32	Reliability Analysis of the Proportional Mean Residual Life Order. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	1.1	4
33	Random Effect Additive Mean Residual Life Model. <i>IEEE Transactions on Reliability</i> , 2016, 65, 860-866.	4.6	4
34	Development on the mean inactivity time order with applications. <i>Operations Research Letters</i> , 2017, 45, 525-529.	0.7	4
35	Stochastic Comparisons of Weighted Distributions and Their Mixtures. <i>Entropy</i> , 2020, 22, 843.	2.2	4
36	Preservation properties of the moment generating function ordering of residual lives. <i>Statistical Papers</i> , 2011, 52, 523-529.	1.2	3

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37	Testing behavior of the reversed hazard rate. Applied Mathematical Modelling, 2011, 35, 2508-2515.	4.2	3
38	Some results about the exponential ordering of inactivity time. Economic Modelling, 2013, 33, 159-163.	3.8	3
39	Reliability analysis of extended generalized inverted exponential distribution with applications. Journal of Systems Engineering and Electronics, 2016, 27, 484-492.	2.2	3
40	A New Family of Extended Lindley Models: Properties, Estimation and Applications. Mathematics, 2020, 8, 2146.	2.2	3
41	Testing Behavior of the Mean Inactivity Time. Journal of Testing and Evaluation, 2018, 46, 2649-2653.	0.7	3
42	A Dynamic Failure Time Degradation-Based Model. Symmetry, 2020, 12, 1532.	2.2	3
43	Some new results on bathtub-shaped hazard rate models. Mathematical Biosciences and Engineering, 2021, 19, 1239-1250.	1.9	3
44	Mean Residual Lifetime Frailty Models: A Weighted Perspective. Mathematical Problems in Engineering, 2021, 2021, 1-21.	1.1	3
45	EM Algorithm for Estimating the Parameters of Quasi-Lindley Model with Application. Journal of Mathematics, 2022, 2022, 1-9.	1.0	3
46	Starshaped Ordering of Life Distributions and Its Aging Properties. IEEE Transactions on Reliability, 2011, 60, 257-262.	4.6	2
47	A mixture model of size-biased distributions. Metrika, 2016, 79, 513-529.	0.8	2
48	Average inactivity time model, associated orderings and reliability properties. Physica A: Statistical Mechanics and Its Applications, 2018, 492, 1389-1398.	2.6	2
49	A semi-parametric estimator of the quantile residual life for heavily censored data. Journal of King Saud University - Science, 2020, 32, 3470-3475.	3.5	2
50	Stochastic Aspects of Proportional Vitalities Model. Mathematics, 2020, 8, 1823.	2.2	2
51	A New Flexible Generalized Lindley Model: Properties, Estimation and Applications. Symmetry, 2020, 12, 1678.	2.2	2
52	A New Family of Generalized Quadratic Hazard Rate Distribution With Applications. Journal of Testing and Evaluation, 2016, 44, 1733-1744.	0.7	2
53	One generalized mixture Pareto distribution and estimation of the parameters by the EM algorithm for complete and right-censored data. IEEE Access, 2021, , 1-1.	4.2	2
54	Preservation of transform orders under a semiparametric model and its mixture. Operations Research Letters, 2022, 50, 160-167.	0.7	2

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55	Reliability aspects in a dynamic time-to-failure degradation-based model. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 968-980.	0.7	2
56	Further results involving Marshall's Olkin log-logistic distribution: reliability analysis, estimation of the parameter, and applications. SpringerPlus, 2016, 5, 385.	1.2	1
57	Dynamic Multivariate Quantile Residual Life in Reliability Theory. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	1
58	Stochastic analysis of an age-dependent mixture truncation model. Naval Research Logistics, 2021, 68, 963-972.	2.2	1
59	Residual Probability Function for Dependent Lifetimes. Mathematics, 2021, 9, 1782.	2.2	1
60	A New Scale-Invariant Lindley Extension Distribution and Its Applications. Mathematical Problems in Engineering, 2021, 2021, 1-16.	1.1	1
61	A new flexible extension of the Lindley distribution with applications. Journal of King Saud University - Science, 2022, 34, 101714.	3.5	1
62	Weighted proportional mean inactivity time model. AIMS Mathematics, 2022, 7, 4038-4060.	1.6	1
63	Applications of Bladder Cancer Data Using a Modified Log-Logistic Model. Applied Bionics and Biomechanics, 2022, 2022, 1-12.	1.1	1
64	Copulas generated by mixtures of weighted distributions. AIMS Mathematics, 2022, 7, 8953-8974.	1.6	1
65	Reliability Analysis of the Inverse Modified Weibull Model with Applications. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	1
66	Modeling extreme value data with an upside down bathtub-shaped failure rate model. Open Physics, 2022, 20, 484-492.	1.7	1
67	Testing dominance of biometric functions. Journal of Statistical Computation and Simulation, 2012, 82, 491-502.	1.2	0
68	Further Results on the Proportional Vitalities Model. Entropy, 2021, 23, 1201.	2.2	0
69	EM Algorithm for Estimating the Parameters of Weibull Competing Risk Model. Applied Bionics and Biomechanics, 2021, 2021, 1-6.	1.1	0
70	Some common and dynamic properties of logarithmic Pareto distribution with applications. Open Physics, 2021, 19, 669-678.	1.7	0
71	Modeling Reliability Engineering Data Using Scale-Invariant Quasi-Inverse Lindley Model. Computers, Materials and Continua, 2022, 72, 1847-1860.	1.9	0
72	Copulas Arisen from Degradation-Based Time-to-Failure Models. Symmetry, 2022, 14, 785.	2.2	0

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73	Laplace transform ordering of bivariate inactivity times. AIMS Mathematics, 2022, 7, 13208-13224.	1.6	0
74	Characterizations of the Weak Bivariate Failure Rate Order and Bivariate IFR Aging Class. Journal of Mathematics, 2022, 2022, 1-9.	1.0	0