

# Moshe Shaked

## List of Publications by Year in descending order

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159  
papers

4,601  
citations

87888

38  
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138484

58  
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172  
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172  
docs citations

172  
times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Order statistics with multivariate concomitants: stochastic comparisons. <i>Statistics</i> , 2016, 50, 190-205.	0.6	0
2	Multivariate conditional hazard rate functions – an overview. <i>Applied Stochastic Models in Business and Industry</i> , 2015, 31, 285-296.	1.5	21
3	Stochastic comparisons of order statistics and their concomitants. <i>Journal of Multivariate Analysis</i> , 2014, 124, 105-115.	1.0	2
4	The total time on test transform and the decreasing percentile residual life aging notion. <i>Statistical Methodology</i> , 2014, 18, 32-40.	0.5	4
5	Some aging properties of parallel and series systems with a random number of components. <i>Naval Research Logistics</i> , 2014, 61, 238-243.	2.2	10
6	A Global Dependence Stochastic Order Based on the Presence of Noise. <i>Lecture Notes in Statistics</i> , 2013, , 3-39.	0.2	0
7	Stochastic orderings of convolution residuals. <i>Metrika</i> , 2013, 76, 559-576.	0.8	3
8	COMMENTS ON THE SURVEY BY BALAKRISHNAN AND ZHAO. <i>Probability in the Engineering and Informational Sciences</i> , 2013, 27, 445-449.	0.8	4
9	Decreasing Percentile Residual Life: Properties and Estimation. <i>Lecture Notes in Statistics</i> , 2013, , 183-197.	0.2	0
10	Global Dependence Stochastic Orders. <i>Methodology and Computing in Applied Probability</i> , 2012, 14, 617-648.	1.2	11
11	Comparisons of concordance in additive models. <i>Statistics and Probability Letters</i> , 2012, 82, 2059-2067.	0.7	1
12	The decreasing percentile residual life ageing notion. <i>Statistics</i> , 2012, 46, 587-603.	0.6	12
13	The Impact of Lehmann’s Work in Applied Probability. , 2012, , 807-813.		0
14	Percentile residual life orders. <i>Applied Stochastic Models in Business and Industry</i> , 2011, 27, 235-252.	1.5	12
15	A class of location-independent variability orders, with applications. <i>Journal of Applied Probability</i> , 2010, 47, 407-425.	0.7	10
16	Some properties of the minimum and the maximum of random variables with joint logconcave distributions. <i>Metrika</i> , 2010, 71, 313-317.	0.8	21
17	Stochastic comparisons of multivariate mixtures. <i>Journal of Multivariate Analysis</i> , 2010, 101, 2486-2498.	1.0	33
18	A class of location-independent variability orders, with applications. <i>Journal of Applied Probability</i> , 2010, 47, 407-425.	0.7	7

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19	INTRINSIC AGING AND CLASSES OF NONPARAMETRIC DISTRIBUTIONS. Probability in the Engineering and Informational Sciences, 2009, 23, 563-582.	0.8	25
20	Systems with weighted components. Statistics and Probability Letters, 2008, 78, 815-823.	0.7	45
21	Conditional orderings and positive dependence. Journal of Multivariate Analysis, 2008, 99, 358-371.	1.0	11
22	Partial Ordering and Aging Properties of Order Statistics When the Sample Size is Random: A Brief Review. Communications in Statistics - Theory and Methods, 2008, 37, 1710-1720.	1.0	23
23	STOCHASTIC ORDERS BASED ON TOTAL TIME ON TEST TRANSFORM. , 2007, , 131-143.		2
24	Are the Order Statistics Ordered? A Survey of Recent Results. Communications in Statistics - Theory and Methods, 2007, 36, 1273-1290.	1.0	19
25	Ordering conditional lifetimes of coherent systems. Journal of Statistical Planning and Inference, 2007, 137, 1173-1184.	0.6	127
26	A general family of univariate stochastic orders. Journal of Statistical Planning and Inference, 2007, 137, 3601-3610.	0.6	14
27	Stochastic comparisons of multivariate random sums in the Laplace transform order, with applications. Statistics and Probability Letters, 2007, 77, 1339-1344.	0.7	2
28	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.7	65
29	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.7	65
30	Some positive dependence stochastic orders. Journal of Multivariate Analysis, 2006, 97, 46-78.	1.0	24
31	Some notions of multivariate positive dependence. Insurance: Mathematics and Economics, 2005, 37, 13-26.	1.2	57
32	UNIFORM ORDER STATISTICS PROPERTY AND $[\ell - \text{cursive small } l]$ [infty infinity]-SPHERICAL DENSITIES. Probability in the Engineering and Informational Sciences, 2004, 18, .	0.8	6
33	Failure profiles of coherent systems. Naval Research Logistics, 2004, 51, 477-490.	2.2	9
34	The observed total time on test and the observed excess wealth. Statistics and Probability Letters, 2004, 68, 247-258.	0.7	17
35	Multivariate hazard rate orders. Journal of Multivariate Analysis, 2003, 84, 173-189.	1.0	32
36	On the Comparison of Reliability Experiments Based on the Convolution Order. Journal of the American Statistical Association, 2003, 98, 693-702.	3.1	60

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37	Imperfect repair models with preventive maintenance. Journal of Applied Probability, 2003, 40, 1043-1059.	0.7	16
38	Stochastic Ordering of Order Statistics II. Profiles in Operations Research, 2002, , 607-623.	0.4	16
39	The total time on test transform and the excess wealth stochastic orders of distributions. Advances in Applied Probability, 2002, 34, 826-845.	0.7	40
40	The Newsvendor Game Has a Nonempty Core. Games and Economic Behavior, 2002, 38, 118-126.	0.8	100
41	NONHOMOGENEOUS BIRTH PROCESSES AND $\lambda$ -SPHERICAL DENSITIES, WITH APPLICATIONS IN RELIABILITY THEORY. Probability in the Engineering and Informational Sciences, 2002, 16, 271-288.	0.8	13
42	Preservation of association in multivariate shock and claim models. Operations Research Letters, 2002, 30, 223-230.	0.7	15
43	The total time on test transform and the excess wealth stochastic orders of distributions. Advances in Applied Probability, 2002, 34, 826-845.	0.7	70
44	Stochastic processes in reliability. Handbook of Statistics, 2001, 19, 471-510.	0.6	9
45	STOCHASTIC COMPARISONS OF NONHOMOGENEOUS PROCESSES. Probability in the Engineering and Informational Sciences, 2001, 15, 199-224.	0.8	54
46	Ch. 6. Mixtures and monotonicity of failure rate functions. Handbook of Statistics, 2001, 20, 185-198.	0.6	14
47	Preservation of some likelihood ratio stochastic orders by order statistics. Statistics and Probability Letters, 2001, 51, 111-119.	0.7	34
48	Stochastic comparisons of mixtures of convexly ordered distributions with applications in reliability theory. Statistics and Probability Letters, 2001, 53, 363-372.	0.7	19
49	The Hazard Rate and the Reversed Hazard Rate Orders, with Applications to Order Statistics. Annals of the Institute of Statistical Mathematics, 2001, 53, 853-864.	0.8	51
50	NONHOMOGENEOUS POISSON PROCESSES AND LOGCONCAVITY. Probability in the Engineering and Informational Sciences, 2000, 14, 353-373.	0.8	54
51	On the theory of high convexity stochastic orders. Statistics and Probability Letters, 2000, 47, 287-293.	0.7	9
52	Stochastic Convexity of the Poisson Mixture Model. Methodology and Computing in Applied Probability, 2000, 2, 231-254.	1.2	5
53	Cores of Inventory Centralization Games. Games and Economic Behavior, 2000, 31, 26-49.	0.8	122
54	Some Shifted Stochastic Orders. , 2000, , 85-103.		19

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55	Distributions with known initial hazard rate functions. Journal of Statistical Planning and Inference, 1999, 78, 39-55.	0.6	4
56	A characterization of the dilation order and its applications. Statistical Papers, 1999, 40, 393-406.	1.2	46
57	Dynamic Linkages for Multivariate Distributions with Given Nonoverlapping Multivariate Marginals. Journal of Multivariate Analysis, 1999, 68, 54-77.	1.0	6
58	Two Variability Orders. Probability in the Engineering and Informational Sciences, 1998, 12, 1-23.	0.8	106
59	5 Stochastic ordering of order statistics. Handbook of Statistics, 1998, , 89-103.	0.6	16
60	Positive Dependence Properties of Conditionally Independent Random Lifetimes. Mathematics of Operations Research, 1998, 23, 944-959.	1.3	35
61	The s-convex orders among real random variables, with applications. Mathematical Inequalities and Applications, 1998, , 585-613.	0.2	60
62	Stochastic orders based on ratios of Laplace transforms. Journal of Applied Probability, 1997, 34, 404-419.	0.7	40
63	Ageing first-passage times of Markov processes: a matrix approach. Journal of Applied Probability, 1997, 34, 1-13.	0.7	17
64	Stochastic orders based on ratios of Laplace transforms. Journal of Applied Probability, 1997, 34, 404-419.	0.7	28
65	Fr�chet Classes and Nonmonotone Dependence. , 1997, , 59-71.		0
66	Stochastic comparisons of random minima and maxima. Journal of Applied Probability, 1997, 34, 420-425.	0.7	23
67	Ageing first-passage times of Markov processes: a matrix approach. Journal of Applied Probability, 1997, 34, 1-13.	0.7	11
68	The dilation order, the dispersion order, and orderings of residual lives. Statistics and Probability Letters, 1997, 33, 263-275.	0.7	24
69	Characterizations of the IFR and DFR aging notions by means of the dispersive order. Statistics and Probability Letters, 1997, 33, 389-393.	0.7	25
70	Supermodular Stochastic Orders and Positive Dependence of Random Vectors. Journal of Multivariate Analysis, 1997, 61, 86-101.	1.0	77
71	Linkages: A Tool for the Construction of Multivariate Distributions with Given Nonoverlapping Multivariate Marginals. Journal of Multivariate Analysis, 1996, 56, 20-41.	1.0	41
72	Stochastic comparison of processes generated by random interruptions of monotone functions and related results. Lifetime Data Analysis, 1996, 2, 91-112.	0.9	2

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73	Positive Dependence Orders: A Survey. Lecture Notes in Statistics, 1996, , 70-91.	0.2	17
74	Dynamic Modelling of Discrete Time Reliability Systems. , 1996, , 83-96.		0
75	A discrete-time model of failure and repair. Applied Stochastic Models and Data Analysis, 1995, 11, 167-180.	0.4	12
76	Discrete hazard rate functions. Computers and Operations Research, 1995, 22, 391-402.	4.0	56
77	Hazard rate ordering of k-out-of-n systems. Statistics and Probability Letters, 1995, 23, 1-8.	0.7	9
78	On the first passage times for Markov processes with monotone convex transition kernels. Stochastic Processes and Their Applications, 1995, 58, 205-216.	0.9	16
79	Comparison of replacement policies via point processes. Advances in Applied Probability, 1995, 27, 1079-1103.	0.7	6
80	Comparison of replacement policies via point processes. Advances in Applied Probability, 1995, 27, 1079-1103.	0.7	14
81	Preservation of Stochastic Orderings under Random Mapping by Point Processes. Probability in the Engineering and Informational Sciences, 1995, 9, 563-580.	0.8	25
82	Stochastic Convexity and Concavity of Markov Processes. Mathematics of Operations Research, 1994, 19, 477-493.	1.3	17
83	Discrete repairable reliability systems. Naval Research Logistics, 1993, 40, 769-786.	2.2	0
84	Stochastic majorization of stochastically monotone families of random variables. Advances in Applied Probability, 1993, 25, 895-913.	0.7	6
85	Stochastic Comparison of Some Wear Processes. Probability in the Engineering and Informational Sciences, 1993, 7, 421-435.	0.8	7
86	Dynamic conditional marginal distributions in reliability theory. Journal of Applied Probability, 1993, 30, 421-428.	0.7	8
87	Dynamic conditional marginal distributions in reliability theory. Journal of Applied Probability, 1993, 30, 421-428.	0.7	2
88	Stochastic majorization of stochastically monotone families of random variables. Advances in Applied Probability, 1993, 25, 895-913.	0.7	4
89	Multivariate Conditional Hazard Rate and Mean Residual Life Functions and Their Applications. , 1993, , 137-155.		1
90	Some results on block replacement policies and renewal theory. Journal of Applied Probability, 1992, 29, 932-946.	0.7	32

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91	Optimal allocation of resources to nodes of parallel and series systems. <i>Advances in Applied Probability</i> , 1992, 24, 894-914.	0.7	68
92	Optimal allocation of resources to nodes of parallel and series systems. <i>Advances in Applied Probability</i> , 1992, 24, 894-914.	0.7	53
93	Some results on block replacement policies and renewal theory. <i>Journal of Applied Probability</i> , 1992, 29, 932-946.	0.7	20
94	Dynamic multivariate mean residual life functions. <i>Journal of Applied Probability</i> , 1991, 28, 613-629.	0.7	3
95	Dynamic multivariate mean residual life functions. <i>Journal of Applied Probability</i> , 1991, 28, 613-629.	0.7	27
96	Dynamic multivariate aging notions in reliability theory. <i>Stochastic Processes and Their Applications</i> , 1991, 38, 85-97.	0.9	42
97	Shock models with MIFRA time to failure distributions. <i>Journal of Statistical Planning and Inference</i> , 1991, 29, 157-169.	0.6	5
98	Results on inquiry and truth possession. <i>Statistics and Probability Letters</i> , 1991, 12, 415-420.	0.7	19
99	An economic model of scientific activity and truth acquisition. <i>Philosophical Studies</i> , 1991, 63, 31-55.	0.8	99
100	Parametric stochastic convexity and concavity of stochastic processes. <i>Annals of the Institute of Statistical Mathematics</i> , 1990, 42, 509-531.	0.8	70
101	A Bayesian approach for quantile and response probability estimation with applications to reliability. <i>Annals of the Institute of Statistical Mathematics</i> , 1990, 42, 1-19.	0.8	24
102	Some conditions for stochastic equality. <i>Naval Research Logistics</i> , 1990, 37, 617-625.	2.2	15
103	Stochastic ordering for permutation symmetric distributions. <i>Statistics and Probability Letters</i> , 1990, 9, 217-222.	0.7	6
104	Multivariate Stochastic Orderings and Positive Dependence in Reliability Theory. <i>Mathematics of Operations Research</i> , 1990, 15, 545-552.	1.3	41
105	Positive dependence of random variables with a common marginal distribution. <i>Communications in Statistics - Theory and Methods</i> , 1990, 19, 4299-4313.	1.0	0
106	Chapter 13 Reliability and maintainability. <i>Handbooks in Operations Research and Management Science</i> , 1990, 2, 653-713.	0.6	16
107	Convexity of a set of stochastically ordered random variables. <i>Advances in Applied Probability</i> , 1990, 22, 160-177.	0.7	22
108	Comparison of experiments for a class of positively dependent random variables. <i>Canadian Journal of Statistics</i> , 1990, 18, 79-86.	0.9	6

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109	Some Replacement Policies in a Random Environment. Probability in the Engineering and Informational Sciences, 1989, 3, 117-134.	0.8	30
110	On lifetimes influenced by a common environment. Stochastic Processes and Their Applications, 1989, 33, 347-359.	0.9	42
111	Stochastic convexity and its applications. Advances in Applied Probability, 1988, 20, 427-446.	0.7	128
112	Multivariate conditional hazard rates and the MIFRA and MIFR properties. Journal of Applied Probability, 1988, 25, 150-168.	0.7	19
113	On the First Failure Time of Dependent Multicomponent Reliability Systems. Mathematics of Operations Research, 1988, 13, 50-64.	1.3	9
114	On the first-passage times of pure jump processes. Journal of Applied Probability, 1988, 25, 501-509.	0.7	34
115	On the first-passage times of pure jump processes. Journal of Applied Probability, 1988, 25, 501-509.	0.7	13
116	Stochastic convexity and its applications. Advances in Applied Probability, 1988, 20, 427-446.	0.7	53
117	Multivariate conditional hazard rates and the MIFRA and MIFR properties. Journal of Applied Probability, 1988, 25, 150-168.	0.7	13
118	Characterization of Some First Passage Times Using Log-Concavity and Log-Convexity as Aging Notions. Probability in the Engineering and Informational Sciences, 1987, 1, 279-291.	0.8	19
119	Multivariate hazard rates and stochastic ordering. Advances in Applied Probability, 1987, 19, 123-137.	0.7	14
120	Multivariate hazard rates and stochastic ordering. Advances in Applied Probability, 1987, 19, 123-137.	0.7	33
121	IFRA Properties of Some Markov Jump Processes with General State Space. Mathematics of Operations Research, 1987, 12, 562-568.	1.3	26
122	Probability inequalities via negative dependence for random variables conditioned on order statistics. Naval Research Logistics, 1987, 34, 547-554.	2.2	7
123	Temporal stochastic convexity and concavity. Stochastic Processes and Their Applications, 1987, 27, 1-20.	0.9	35
124	The multivariate hazard construction. Stochastic Processes and Their Applications, 1987, 24, 241-258.	0.9	58
125	Multivariate New Better than Used Distributions. Mathematics of Operations Research, 1986, 11, 110-116.	1.3	14
126	NBU Processes with General State Space. Mathematics of Operations Research, 1986, 11, 95-109.	1.3	17



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127	Multivariate Imperfect Repair. Operations Research, 1986, 34, 437-448.	1.9	99
128	The total hazard construction, antithetic variates and simulation of stochastic systems. Stochastic Models, 1986, 2, 237-249.	0.3	10
129	Antithetic Variates, Multivariate Dependence and Simulation of Stochastic Systems. Management Science, 1985, 31, 66-77.	4.1	28
130	A concept of negative dependence using stochastic ordering. Statistics and Probability Letters, 1985, 3, 81-86.	0.7	57
131	Some partial orderings of exchangeable random variables by positive dependence. Journal of Multivariate Analysis, 1985, 17, 333-349.	1.0	32
132	WEAR AND DAMAGE PROCESSES FROM SHOCK MODELS IN RELIABILITY THEORY. , 1984, , 43-64.		9
133	Extensions of the Freund Distribution with Applications in Reliability Theory. Operations Research, 1984, 32, 917-925.	1.9	12
134	Inference for step-stress accelerated life tests. Journal of Statistical Planning and Inference, 1983, 7, 295-306.	0.6	66
135	Estimating Parameters from Mixed Samples. Journal of the American Statistical Association, 1982, 77, 196-203.	3.1	6
136	The influence of the sample on the posterior distribution. Communications in Statistics - Theory and Methods, 1982, 11, 1757-1768.	1.0	17
137	Dispersive ordering of distributions. Journal of Applied Probability, 1982, 19, 310-320.	0.7	22
138	Some Concepts of Negative Dependence. Annals of Probability, 1982, 10, 765.	1.8	238
139	Nonparametric Estimation and Goodness-of-Fit Testing of Hypotheses for Distributions in Accelerated Life Testing. IEEE Transactions on Reliability, 1982, R-31, 69-74.	4.6	33
140	Dispersive ordering of distributions. Journal of Applied Probability, 1982, 19, 310-320.	0.7	128
141	A general theory of some positive dependence notions. Journal of Multivariate Analysis, 1982, 12, 199-218.	1.0	65
142	A Class of Multivariate New Better Than Used Distributions. Annals of Probability, 1982, 10, .	1.8	40
143	Estimating Parameters from Mixed Samples. Journal of the American Statistical Association, 1982, 77, 196.	3.1	2
144	Extension of the IHR and IHRA Aging Notions. SIAM Journal on Applied Mathematics, 1981, 40, 542-550.	1.8	4

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145	Bounds on the distance of a mixture from its parent distribution. Journal of Applied Probability, 1981, 18, 853-863.	0.7	0
146	Shock models and the MIFRA property. Stochastic Processes and Their Applications, 1981, 11, 273-283.	0.9	16
147	Bounds on the distance of a mixture from its parent distribution. Journal of Applied Probability, 1981, 18, 853-863.	0.7	6
148	A Nonparametric Approach to Accelerated Life Testing. Journal of the American Statistical Association, 1979, 74, 694-699.	3.1	31
149	Multivariate Shock Models for Distributions with Increasing Hazard Rate Average. Annals of Probability, 1979, 7, 343.	1.8	50
150	Some concepts of positive dependence for bivariate interchangeable distributions. Annals of the Institute of Statistical Mathematics, 1979, 31, 67-84.	0.8	22
151	Estimation of Starshaped Sequences of Poisson and Normal Means. Annals of Statistics, 1979, 7, 729.	2.6	20
152	A Nonparametric Approach to Accelerated Life Testing. Journal of the American Statistical Association, 1979, 74, 694.	3.1	21
153	Accelerated Life Testing for a Class of Linear Hazard Rate Type Distributions. Technometrics, 1978, 20, 457-466.	1.9	9
154	Statistical inference for a class of life distributions. Communications in Statistics - Theory and Methods, 1977, 6, 1323-1339.	1.0	11
155	A Family of Concepts of Dependence for Bivariate Distributions. Journal of the American Statistical Association, 1977, 72, 642-650.	3.1	94
156	A Concept of Positive Dependence for Exchangeable Random Variables. Annals of Statistics, 1977, 5, 505.	2.6	98
157	Fluctuations of random walk in $R^d$ and storage systems. Advances in Applied Probability, 1977, 9, 566-587.	0.7	6
158	A Family of Concepts of Dependence for Bivariate Distributions. Journal of the American Statistical Association, 1977, 72, 642.	3.1	20
159	A notes on the exchangeable generalized farlie-gumbel-morgenstern distributions. Communications in Statistics, 1975, 4, 711-721.	0.3	14