Moshe Shaked

List of Publications by Year
in descending order

159 papers	4,601 citations	87888 38 h-index	138484 58 g-index
172 all docs	172 docs citations	172 times ranked	989 citing authors

#	Article	IF	Citations
1	Some Concepts of Negative Dependence. Annals of Probability, 1982, 10, 765.	1.8	238
2	Dispersive ordering of distributions. Journal of Applied Probability, 1982, 19, 310-320.	0.7	128
3	Stochastic convexity and its applications. Advances in Applied Probability, 1988, 20, 427-446.	0.7	128
4	Ordering conditional lifetimes of coherent systems. Journal of Statistical Planning and Inference, 2007, 137, 1173-1184.	0.6	127
5	Cores of Inventory Centralization Games. Games and Economic Behavior, 2000, 31, 26-49.	0.8	122
6	Two Variability Orders. Probability in the Engineering and Informational Sciences, 1998, 12, 1-23.	0.8	106
7	The Newsvendor Game Has a Nonempty Core. Games and Economic Behavior, 2002, 38, 118-126.	0.8	100
8	Multivariate Imperfect Repair. Operations Research, 1986, 34, 437-448.	1.9	99
9	An economic model of scientific activity and truth acquisition. Philosophical Studies, 1991, 63, 31-55.	0.8	99
10	A Concept of Positive Dependence for Exchangeable Random Variables. Annals of Statistics, 1977, 5, 505.	2.6	98
11	A Family of Concepts of Dependence for Bivariate Distributions. Journal of the American Statistical Association, 1977, 72, 642-650.	3.1	94
12	Supermodular Stochastic Orders and Positive Dependence of Random Vectors. Journal of Multivariate Analysis, 1997, 61, 86-101.	1.0	77
13	Parametric stochastic convexity and concavity of stochastic processes. Annals of the Institute of Statistical Mathematics, 1990, 42, 509-531.	0.8	70
14	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
15	Optimal allocation of resources to nodes of parallel and series systems. Advances in Applied Probability, 1992, 24, 894-914.	0.7	68
16	Inference for step-stress accelerated life tests. Journal of Statistical Planning and Inference, 1983, 7, 295-306.	0.6	66
17	A general theory of some positive dependence notions. Journal of Multivariate Analysis, 1982, 12, 199-218.	1.0	65
18	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.7	65

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19	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.7	65
20	On the Comparison of Reliability Experiments Based on the Convolution Order. Journal of the American Statistical Association, 2003, 98, 693-702.	3.1	60
21	The s-convex orders among real random variables, with applications. Mathematical Inequalities and Applications, 1998, , 585-613.	0.2	60
22	The multivariate hazard construction. Stochastic Processes and Their Applications, 1987, 24, 241-258.	0.9	58
23	A concept of negative dependence using stochastic ordering. Statistics and Probability Letters, 1985, 3, 81-86.	0.7	57
24	Some notions of multivariate positive dependence. Insurance: Mathematics and Economics, 2005, 37, 13-26.	1.2	57
25	Discrete hazard rate functions. Computers and Operations Research, 1995, 22, 391-402.	4.0	56
26	NONHOMOGENEOUS POISSON PROCESSES AND LOGCONCAVITY. Probability in the Engineering and Informational Sciences, 2000, 14, 353-373.	0.8	54
27	STOCHASTIC COMPARISONS OF NONHOMOGENEOUS PROCESSES. Probability in the Engineering and Informational Sciences, 2001, 15, 199-224.	0.8	54
28	Stochastic convexity and its applications. Advances in Applied Probability, 1988, 20, 427-446.	0.7	53
29	Optimal allocation of resources to nodes of parallel and series systems. Advances in Applied Probability, 1992, 24, 894-914.	0.7	53
30	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
31	Multivariate Shock Models for Distributions with Increasing Hazard Rate Average. Annals of Probability, 1979, 7, 343.	1.8	50
32	A characterization of the dilation order and its applications. Statistical Papers, 1999, 40, 393-406.	1.2	46
33	Systems with weighted components. Statistics and Probability Letters, 2008, 78, 815-823.	0.7	45
34	On lifetimes influenced by a common environment. Stochastic Processes and Their Applications, 1989, 33, 347-359.	0.9	42
35	Dynamic multivariate aging notions in reliability theory. Stochastic Processes and Their Applications, 1991, 38, 85-97.	0.9	42
36	Multivariate Stochastic Orderings and Positive Dependence in Reliability Theory. Mathematics of Operations Research, 1990, 15, 545-552.	1.3	41

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37	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
38	Stochastic orders based on ratios of Laplace transforms. Journal of Applied Probability, 1997, 34, 404-419.	0.7	40
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	A Class of Multivariate New Better Than Used Distributions. Annals of Probability, 1982, 10, .	1.8	40
41	Temporal stochastic convexity and concavity. Stochastic Processes and Their Applications, 1987, 27, 1-20.	0.9	35
42	Positive Dependence Properties of Conditionally Independent Random Lifetimes. Mathematics of Operations Research, 1998, 23, 944-959.	1.3	35
43	On the first-passage times of pure jump processes. Journal of Applied Probability, 1988, 25, 501-509.	0.7	34
44	Preservation of some likelihood ratio stochastic orders by order statistics. Statistics and Probability Letters, 2001, 51, 111-119.	0.7	34
45	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
46	Multivariate hazard rates and stochastic ordering. Advances in Applied Probability, 1987, 19, 123-137.	0.7	33
47	Stochastic comparisons of multivariate mixtures. Journal of Multivariate Analysis, 2010, 101, 2486-2498.	1.0	33
48	Some partial orderings of exchangeable random variables by positive dependence. Journal of Multivariate Analysis, 1985, 17, 333-349.	1.0	32
49	Some results on block replacement policies and renewal theory. Journal of Applied Probability, 1992, 29, 932-946.	0.7	32
50	Multivariate hazard rate orders. Journal of Multivariate Analysis, 2003, 84, 173-189.	1.0	32
51	A Nonparametric Approach to Accelerated Life Testing. Journal of the American Statistical Association, 1979, 74, 694-699.	3.1	31
52	Some Replacement Policies in a Random Environment. Probability in the Engineering and Informational Sciences, 1989, 3, 117-134.	0.8	30
53	Antithetic Variates, Multivariate Dependence and Simulation of Stochastic Systems. Management Science, 1985, 31, 66-77.	4.1	28
54	Stochastic orders based on ratios of Laplace transforms. Journal of Applied Probability, 1997, 34, 404-419.	0.7	28

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55	Dynamic multivariate mean residual life functions. Journal of Applied Probability, 1991, 28, 613-629.	0.7	27
56	IFRA Properties of Some Markov Jump Processes with General State Space. Mathematics of Operations Research, 1987, 12, 562-568.	1.3	26
57	Preservation of Stochastic Orderings under Random Mapping by Point Processes. Probability in the Engineering and Informational Sciences, 1995, 9, 563-580.	0.8	25
58	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
59	INTRINSIC AGING AND CLASSES OF NONPARAMETRIC DISTRIBUTIONS. Probability in the Engineering and Informational Sciences, 2009, 23, 563-582.	0.8	25
60	A Bayesian approach for quantile and response probability estimation with applications to reliability. Annals of the Institute of Statistical Mathematics, 1990, 42, 1-19.	0.8	24
61	The dilation order, the dispersion order, and orderings of residual lives. Statistics and Probability Letters, 1997, 33, 263-275.	0.7	24
62	Some positive dependence stochastic orders. Journal of Multivariate Analysis, 2006, 97, 46-78.	1.0	24
63	Stochastic comparisons of random minima and maxima. Journal of Applied Probability, 1997, 34, 420-425.	0.7	23
64	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
65	Some concepts of positive dependence for bivariate interchangeable distributions. Annals of the Institute of Statistical Mathematics, 1979, 31, 67-84.	0.8	22
66	Dispersive ordering of distributions. Journal of Applied Probability, 1982, 19, 310-320.	0.7	22
67	Convexity of a set of stochastically ordered random variables. Advances in Applied Probability, 1990, 22, 160-177.	0.7	22
68	Some properties of the minimum and the maximum of random variables with joint logconcave distributions. Metrika, 2010, 71, 313-317.	0.8	21
69	Multivariate conditional hazard rate functions â€" an overview. Applied Stochastic Models in Business and Industry, 2015, 31, 285-296.	1.5	21
70	A Nonparametric Approach to Accelerated Life Testing. Journal of the American Statistical Association, 1979, 74, 694.	3.1	21
71	Estimation of Starshaped Sequences of Poisson and Normal Means. Annals of Statistics, 1979, 7, 729.	2.6	20
72	Some results on block replacement policies and renewal theory. Journal of Applied Probability, 1992, 29, 932-946.	0.7	20

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73	A Family of Concepts of Dependence for Bivariate Distributions. Journal of the American Statistical Association, 1977, 72, 642.	3.1	20
74	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
75	Multivariate conditional hazard rates and the MIFRA and MIFR properties. Journal of Applied Probability, 1988, 25, 150-168.	0.7	19
76	Results on inquiry and truth possession. Statistics and Probability Letters, 1991, 12, 415-420.	0.7	19
77	Stochastic comparisons of mixtures of convexly ordered distributions with applications in reliability theory. Statistics and Probability Letters, 2001, 53, 363-372.	0.7	19
78	Are the Order Statistics Ordered? A Survey of Recent Results. Communications in Statistics - Theory and Methods, 2007, 36, 1273-1290.	1.0	19
79	Some Shifted Stochastic Orders. , 2000, , 85-103.		19
80	The influence of the sample on the posterior distribution. Communications in Statistics - Theory and Methods, 1982, 11, 1757-1768.	1.0	17
81	NBU Processes with General State Space. Mathematics of Operations Research, 1986, 11, 95-109.	1.3	17
82	Stochastic Convexity and Concavity of Markov Processes. Mathematics of Operations Research, 1994, 19, 477-493.	1.3	17
83	Ageing first-passage times of Markov processes: a matrix approach. Journal of Applied Probability, 1997, 34, 1-13.	0.7	17
84	The observed total time on test and the observed excess wealth. Statistics and Probability Letters, 2004, 68, 247-258.	0.7	17
85	Positive Dependence Orders: A Survey. Lecture Notes in Statistics, 1996, , 70-91.	0.2	17
86	Shock models and the MIFRA property. Stochastic Processes and Their Applications, 1981, 11, 273-283.	0.9	16
87	Chapter 13 Reliability and maintainability. Handbooks in Operations Research and Management Science, 1990, 2, 653-713.	0.6	16
88	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
89	5 Stochastic ordering of order statistics. Handbook of Statistics, 1998, , 89-103.	0.6	16
90	Stochastic Ordering of Order Statistics II. Profiles in Operations Research, 2002, , 607-623.	0.4	16

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91	Imperfect repair models with preventive maintenance. Journal of Applied Probability, 2003, 40, 1043-1059.	0.7	16
92	Some conditions for stochastic equality. Naval Research Logistics, 1990, 37, 617-625.	2.2	15
93	Preservation of association in multivariate shock and claim models. Operations Research Letters, 2002, 30, 223-230.	0.7	15
94	A nots on the exchangeable generalized farlie-gumbel-morgenstern distributions. Communications in Statistics, 1975, 4, 711-721.	0.3	14
95	Multivariate New Better than Used Distributions. Mathematics of Operations Research, 1986, 11, 110-116.	1.3	14
96	Multivariate hazard rates and stochastic ordering. Advances in Applied Probability, 1987, 19, 123-137.	0.7	14
97	Comparison of replacement policies via point processes. Advances in Applied Probability, 1995, 27, 1079-1103.	0.7	14
98	Ch. 6. Mixtures and monotonicity of failure rate functions. Handbook of Statistics, 2001, 20, 185-198.	0.6	14
99	A general family of univariate stochastic orders. Journal of Statistical Planning and Inference, 2007, 137, 3601-3610.	0.6	14
100	On the first-passage times of pure jump processes. Journal of Applied Probability, 1988, 25, 501-509.	0.7	13
101	Multivariate conditional hazard rates and the MIFRA and MIFR properties. Journal of Applied Probability, 1988, 25, 150-168.	0.7	13
102	NONHOMOGENEOUS BIRTH PROCESSES AND lâˆž-SPHERICAL DENSITIES, WITH APPLICATIONS IN RELIABILITY THEORY. Probability in the Engineering and Informational Sciences, 2002, 16, 271-288.	0.8	13
103	Extensions of the Freund Distribution with Applications in Reliability Theory. Operations Research, 1984, 32, 917-925.	1.9	12
104	A discrete-time model of failure and repair. Applied Stochastic Models and Data Analysis, 1995, 11, 167-180.	0.4	12
105	Percentile residual life orders. Applied Stochastic Models in Business and Industry, 2011, 27, 235-252.	1.5	12
106	The decreasing percentile residual life ageing notion. Statistics, 2012, 46, 587-603.	0.6	12
107	Statistical inference for a class of life distributions. Communications in Statistics - Theory and Methods, 1977, 6, 1323-1339.	1.0	11
108	Ageing first-passage times of Markov processes: a matrix approach. Journal of Applied Probability, 1997, 34, 1-13.	0.7	11

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109	Conditional orderings and positive dependence. Journal of Multivariate Analysis, 2008, 99, 358-371.	1.0	11
110	Global Dependence Stochastic Orders. Methodology and Computing in Applied Probability, 2012, 14, 617-648.	1.2	11
111	The total hazard construction, antithetic variates and simulation of stochastic systems. Stochastic Models, 1986, 2, 237-249.	0.3	10
112	A class of location-independent variability orders, with applications. Journal of Applied Probability, 2010, 47, 407-425.	0.7	10
113	Some aging properties of parallel and series systems with a random number of components. Naval Research Logistics, 2014, 61, 238-243.	2.2	10
114	Accelerated Life Testing for a Class of Linear Hazard Rate Type Distributions. Technometrics, 1978, 20, 457-466.	1.9	9
115	WEAR AND DAMAGE PROCESSES FROM SHOCK MODELS IN RELIABILITY THEORY. , 1984, , 43-64.		9
116	On the First Failure Time of Dependent Multicomponent Reliability Systems. Mathematics of Operations Research, 1988, 13, 50-64.	1.3	9
117	Hazard rate ordering of k-out-of-n systems. Statistics and Probability Letters, 1995, 23, 1-8.	0.7	9
118	On the theory of high convexity stochastic orders. Statistics and Probability Letters, 2000, 47, 287-293.	0.7	9
119	Stochastic processes in reliability. Handbook of Statistics, 2001, 19, 471-510.	0.6	9
120	Failure profiles of coherent systems. Naval Research Logistics, 2004, 51, 477-490.	2.2	9
121	Dynamic conditional marginal distributions in reliability theory. Journal of Applied Probability, 1993, 30, 421-428.	0.7	8
122	Probability inequalities via negative dependence for random variables conditioned on order statistics. Naval Research Logistics, 1987, 34, 547-554.	2.2	7
123	Stochastic Comparison of Some Wear Processes. Probability in the Engineering and Informational Sciences, 1993, 7, 421-435.	0.8	7
124	A class of location-independent variability orders, with applications. Journal of Applied Probability, 2010, 47, 407-425.	0.7	7
125	Fluctuations of random walk in R d and storage systems. Advances in Applied Probability, 1977, 9, 566-587.	0.7	6
126	Bounds on the distance of a mixture from its parent distribution. Journal of Applied Probability, 1981, 18, 853-863.	0.7	6

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127	Estimating Parameters from Mixed Samples. Journal of the American Statistical Association, 1982, 77, 196-203.	3.1	6
128	Stochastic ordering for permutation symmetric distributions. Statistics and Probability Letters, 1990, 9, 217-222.	0.7	6
129	Comparison of experiments for a class of positively dependent random variables. Canadian Journal of Statistics, 1990, 18, 79-86.	0.9	6
130	Stochastic majorization of stochastically monotone families of random variables. Advances in Applied Probability, 1993, 25, 895-913.	0.7	6
131	Comparison of replacement policies via point processes. Advances in Applied Probability, 1995, 27, 1079-1103.	0.7	6
132	Dynamic Linkages for Multivariate Distributions with Given Nonoverlapping Multivariate Marginals. Journal of Multivariate Analysis, 1999, 68, 54-77.	1.0	6
133	UNIFORM ORDER STATISTICS PROPERTY AND [ell - cursive small l] [infty infinity]-SPHERICAL DENSITIES. Probability in the Engineering and Informational Sciences, 2004, 18, .	0.8	6
134	Shock models with MIFRA time to failure distributions. Journal of Statistical Planning and Inference, 1991, 29, 157-169.	0.6	5
135	Stochastic Convexity of the Poisson Mixture Model. Methodology and Computing in Applied Probability, 2000, 2, 231-254.	1.2	5
136	Extension of the IHR and IHRA Aging Notions. SIAM Journal on Applied Mathematics, 1981, 40, 542-550.	1.8	4
137	Stochastic majorization of stochastically monotone families of random variables. Advances in Applied Probability, 1993, 25, 895-913.	0.7	4
138	Distributions with known initial hazard rate functions. Journal of Statistical Planning and Inference, 1999, 78, 39-55.	0.6	4
139	COMMENTS ON THE SURVEY BY BALAKRISHNAN AND ZHAO. Probability in the Engineering and Informational Sciences, 2013, 27, 445-449.	0.8	4
140	The total time on test transform and the decreasing percentile residual life aging notion. Statistical Methodology, 2014, 18, 32-40.	0.5	4
141	Dynamic multivariate mean residual life functions. Journal of Applied Probability, 1991, 28, 613-629.	0.7	3
142	Stochastic orderings of convolution residuals. Metrika, 2013, 76, 559-576.	0.8	3
143	Dynamic conditional marginal distributions in reliability theory. Journal of Applied Probability, 1993, 30, 421-428.	0.7	2
144	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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145	STOCHASTIC ORDERS BASED ON TOTAL TIME ON TEST TRANSFORM. , 2007, , 131-143.		2
146	Stochastic comparisons of multivariate random sums in the Laplace transform order, with applications. Statistics and Probability Letters, 2007, 77, 1339-1344.	0.7	2
147	Stochastic comparisons of order statistics and their concomitants. Journal of Multivariate Analysis, 2014, 124, 105-115.	1.0	2
148	Estimating Parameters from Mixed Samples. Journal of the American Statistical Association, 1982, 77, 196.	3.1	2
149	Comparisons of concordance in additive models. Statistics and Probability Letters, 2012, 82, 2059-2067.	0.7	1
150	Multivariate Conditional Hazard Rate and Mean Residual Life Functions and Their Applications. , 1993, , 137-155.		1
151	Bounds on the distance of a mixture from its parent distribution. Journal of Applied Probability, 1981, 18, 853-863.	0.7	0
152	Positive dependence of random variables with a common marginal distribution. Communications in Statistics - Theory and Methods, 1990, 19, 4299-4313.	1.0	0
153	Discrete repairable reliability systems. Naval Research Logistics, 1993, 40, 769-786.	2.2	0
154	FrÃ©chet Classes and Nonmonotone Dependence. , 1997, , 59-71.		0
155	A Global Dependence Stochastic Order Based on the Presence of Noise. Lecture Notes in Statistics, 2013, , 3-39.	0.2	0
156	Order statistics with multivariate concomitants: stochastic comparisons. Statistics, 2016, 50, 190-205.	0.6	0
157	The Impact of Lehmannâ€™s Work in Applied Probability. , 2012, , 807-813.		0
158	Decreasing Percentile Residual Life: Properties and Estimation. Lecture Notes in Statistics, 2013, , 183-197.	0.2	0
159	Dynamic Modelling of Discrete Time Reliability Systems. , 1996, , 83-96.		0