Jorge Navarro

List of Publications by Year
in descending order

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143 papers	4,455 citations	109137 35 h-index	143772 57 g-index
147 all docs	147 docs citations	147 times ranked	1056 citing authors

#	Article	IF	Citations
1	Likelihood ratio comparisons and logconvexity properties of<i>p</i>-spacings from generalized order statistics. Probability in the Engineering and Informational Sciences, 2023, 37, 86-105.	0.6	2
2	Joint Reliability Function of Coherent Systems with Shared Heterogeneous Components. Methodology and Computing in Applied Probability, 2022, 24, 1485-1502.	0.7	6
3	Stochastic Comparisons. , 2022, , 71-116.		0
4	Coherent System Lifetimes. , 2022, , 23-70.		0
5	Aging Properties. , 2022, , 117-146.		0
6	COPULA REPRESENTATIONS FOR THE SUM OF DEPENDENT RISKS: MODELS AND COMPARISONS. Probability in the Engineering and Informational Sciences, 2022, 36, 320-340.	0.6	8
7	Introduction to System Reliability Theory. , 2022, , .		16
8	Prediction of record values by using quantile regression curves and distortion functions. Metrika, 2022, 85, 675-706.	0.5	5
9	Preservation of ILR and IFR aging classes in sums of dependent random variables. Applied Stochastic Models in Business and Industry, 2022, 38, 240-261.	0.9	11
10	Distortion representations of multivariate distributions. Statistical Methods and Applications, 2022, 31, 925-954.	0.7	5
11	A decision theoretic framework for reliability-based optimal wind turbine selection. Reliability Engineering and System Safety, 2022, 221, 108291.	5.1	5
12	Connecting copula properties with reliability properties of coherent systems. Applied Stochastic Models in Business and Industry, 2021, 37, 496-512.	0.9	4
13	Ranking the extreme claim amounts in dependent individual risk models. Scandinavian Actuarial Journal, 2021, 2021, 218-247.	1.0	6
14	Conditions on marginals and copula of component lifetimes for signature representation of system lifetime. Fuzzy Sets and Systems, 2021, 415, 99-117.	1.6	7
15	Redundancy in systems with heterogeneous dependent components. European Journal of Operational Research, 2021, 290, 766-778.	3.5	9
16	A study on multi-level redundancy allocation in coherent systems formed by modules. Reliability Engineering and System Safety, 2021, 213, 107694.	5.1	24
17	Weak Dependence Notions and Their Mutual Relationships. Mathematics, 2021, 9, 81.	1.1	7
18	PROPERTIES FOR GENERALIZED CUMULATIVE PAST MEASURES OF INFORMATION. Probability in the Engineering and Informational Sciences, 2020, 34, 92-111.	0.6	14

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19	RELATIONSHIPS BETWEEN IMPORTANCE MEASURES AND REDUNDANCY IN SYSTEMS WITH DEPENDENT COMPONENTS. Probability in the Engineering and Informational Sciences, 2020, 34, 583-604.	0.6	4
20	Comparisons of coherent systems under the time-transformed exponential model. Test, 2020, 29, 255-281.	0.7	7
21	Aggregation and signature based comparisons of multi-state systems via decompositions of fuzzy measures. Fuzzy Sets and Systems, 2020, 396, 115-137.	1.6	9
22	On the extension of signature-based representations for coherent systems with dependent non-exchangeable components. Journal of Applied Probability, 2020, 57, 429-440.	0.4	13
23	Bivariate box plots based on quantile regression curves. Dependence Modeling, 2020, 8, 132-156.	0.2	4
24	Minimal repair of failed components in coherent systems. European Journal of Operational Research, 2019, 279, 951-964.	3.5	36
25	Birnbaum Importance Measure for Reliability Systems With Dependent Components. IEEE Transactions on Reliability, 2019, 68, 439-450.	3.5	34
26	Inactivity times of coherent systems with dependent components under periodical inspections. Applied Stochastic Models in Business and Industry, 2019, 35, 871-892.	0.9	11
27	Preservation of DMRL and IMRL aging classes under the formation of order statistics and coherent systems. Statistics and Probability Letters, 2018, 137, 264-268.	0.4	16
28	Stochastic comparisons of coherent systems. Metrika, 2018, 81, 465-482.	0.5	20
29	Distribution-free comparisons of residual lifetimes of coherent systems based on copula properties. Statistical Papers, 2018, 59, 781-800.	0.7	25
30	Comparisons Between Largest Order Statistics from Multiple-outlier Models with Dependence. Methodology and Computing in Applied Probability, 2018, 20, 411-433.	0.7	23
31	STOCHASTIC COMPARISONS OF SYSTEMS BASED ON SEQUENTIAL ORDER STATISTICS VIA PROPERTIES OF DISTORTED DISTRIBUTIONS. Probability in the Engineering and Informational Sciences, 2018, 32, 246-274.	0.6	20
32	Bounds for the reliability functions of coherent systems with heterogeneous components. Applied Stochastic Models in Business and Industry, 2018, 34, 158-174.	0.9	6
33	Effective procedure of verifying stochastic ordering of system lifetimes. Journal of Applied Probability, 2018, 55, 1261-1271.	0.4	6
34	Stochastic comparisons of replacement policies in coherent systems under minimal repair. Naval Research Logistics, 2018, 65, 550-565.	1.4	18
35	Stochastic comparisons and bounds for conditional distributions by using copula properties. Dependence Modeling, 2018, 6, 156-177.	0.2	16
36	Characterizations based on generalized cumulative residual entropy functions. Communications in Statistics - Theory and Methods, 2017, 46, 1247-1260.	0.6	18

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37	Sharp bounds for the reliability of systems and mixtures with ordered components. Naval Research Logistics, 2017, 64, 108-116.	1.4	10
38	Comparison results for inactivity times of k-out-of-n and general coherent systems with dependent components. Test, 2017, 26, 822-846.	0.7	21
39	Copula-based representations for the reliability of the residual lifetimes of coherent systems with dependent components. Journal of Multivariate Analysis, 2017, 158, 87-102.	0.5	41
40	Joint signature of two or more systems with applications to multistate systems made up of two-state components. European Journal of Operational Research, 2017, 263, 559-570.	3.5	34
41	Some properties of the cumulative residual entropy of coherent and mixed systems. Journal of Applied Probability, 2017, 54, 379-393.	0.4	32
42	Stochastic comparisons of distorted distributions, coherent systems and mixtures with ordered components. Metrika, 2017, 80, 627-648.	0.5	31
43	Comparisons in the mean residual life order of coherent systems with identically distributed components. Applied Stochastic Models in Business and Industry, 2016, 32, 33-47.	0.9	29
44	On comparing coherent systems with heterogeneous components. Advances in Applied Probability, 2016, 48, 88-111.	0.4	55
45	Distribution-Free Comparisons of Coherent Systems. , 2016, , .		1
46	A very simple proof of the multivariate Chebyshev's inequality. Communications in Statistics - Theory and Methods, 2016, 45, 3458-3463.	0.6	24
47	The progressive censoring signature of coherent systems. Applied Stochastic Models in Business and Industry, 2016, 32, 697-710.	0.9	9
48	Preservation of Stochastic Orders under the Formation of Generalized Distorted Distributions. Applications to Coherent Systems. Methodology and Computing in Applied Probability, 2016, 18, 529-545.	0.7	63
49	Stochastic comparisons of generalized mixtures and coherent systems. Test, 2016, 25, 150-169.	0.7	50
50	Progressive <scp>T</scp>ypeâ€II censoring and coherent systems. Naval Research Logistics, 2015, 62, 512-530.	1.4	11
51	Bivariate distributions with conditionals satisfying the proportional generalized odds rate model. Metrika, 2015, 78, 691-709.	0.5	10
52	Orderings of coherent systems with randomized dependent components. European Journal of Operational Research, 2015, 240, 127-139.	3.5	52
53	Asymptotic behavior of the hazard rate in systems based on sequential order statistics. Metrika, 2014, 77, 965-994.	0.5	10
54	Can the bounds in the multivariate Chebyshev inequality be attained?. Statistics and Probability Letters, 2014, 91, 1-5.	0.4	12

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55	Characterizations of Bivariate Models Using Some Dynamic Conditional Information Divergence Measures. Communications in Statistics - Theory and Methods, 2014, 43, 1939-1948.	0.6	18
56	Preservation of reliability classes under the formation of coherent systems. Applied Stochastic Models in Business and Industry, 2014, 30, 444-454.	0.9	72
57	Distorted Lorenz curves: models and comparisons. Social Choice and Welfare, 2014, 42, 761-780.	0.4	13
58	Stochastic ordering properties for systems with dependent identically distributed components. Applied Stochastic Models in Business and Industry, 2013, 29, 264-278.	0.9	104
59	Generalized cumulative residual entropy and record values. Metrika, 2013, 76, 623-640.	0.5	74
60	Reliability properties of bivariate conditional proportional hazard rate models. Journal of Multivariate Analysis, 2013, 113, 116-127.	0.5	22
61	Mixture Representations for the Joint Distribution of Lifetimes of two Coherent Systems with Shared Components. Advances in Applied Probability, 2013, 45, 1011-1027.	0.4	7
62	Dynamic Signatures of Coherent Systems Based on Sequential Order Statistics. Journal of Applied Probability, 2013, 50, 272-287.	0.4	17
63	Mixture Representations for the Joint Distribution of Lifetimes of two Coherent Systems with Shared Components. Advances in Applied Probability, 2013, 45, 1011-1027.	0.4	44
64	Parametric inference for component distributions from lifetimes of systems with dependent components. Naval Research Logistics, 2012, 59, 487-496.	1.4	11
65	Parametric inference from system lifetime data under a proportional hazard rate model. Metrika, 2012, 75, 367-388.	0.5	24
66	Comparisons of coherent systems with non-identically distributed components. Journal of Statistical Planning and Inference, 2012, 142, 1310-1319.	0.4	17
67	Failure rates of consecutive -out-of- systems. Journal of the Korean Statistical Society, 2012, 41, 1-11.	0.3	11
68	Signature Representation and Preservation Results for Engineered Systems and Applications to Statistical Inference. Springer Series in Reliability Engineering, 2012, , 1-22.	0.3	7
69	Signatures and Symmetry Properties of Coherent Systems. Springer Series in Reliability Engineering, 2012, , 33-48.	0.3	14
70	Signature-Based Representations for the Reliability of Systems with Heterogeneous Components. Journal of Applied Probability, 2011, 48, 856-867.	0.4	15
71	Signature-Based Representations for the Reliability of Systems with Heterogeneous Components. Journal of Applied Probability, 2011, 48, 856-867.	0.4	61
72	Linear Inference for Type-II Censored Lifetime Data of Reliability Systems With Known Signatures. IEEE Transactions on Reliability, 2011, 60, 426-440.	3.5	33

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73	Coherent systems based on sequential order statistics. Naval Research Logistics, 2011, 58, 123-135.	1.4	39
74	A note on necessary and sufficient conditions for ordering properties of coherent systems with exchangeable components. Naval Research Logistics, 2011, 58, 478-489.	1.4	34
75	Characterizations of bivariate models using dynamic Kullbackâ€“Leibler discrimination measures. Statistics and Probability Letters, 2011, 81, 1594-1598.	0.4	23
76	AGING PROPERTIES OF SEQUENTIAL ORDER STATISTICS. Probability in the Engineering and Informational Sciences, 2011, 25, 449-467.	0.6	20
77	Exact nonparametric inference for component lifetime distribution based on lifetime data from systems with known signatures. Journal of Nonparametric Statistics, 2011, 23, 741-752.	0.4	36
78	The Joint Signature of Coherent Systems with Shared Components. Journal of Applied Probability, 2010, 47, 235-253.	0.4	13
79	The Joint Signature of Coherent Systems with Shared Components. Journal of Applied Probability, 2010, 47, 235-253.	0.4	64
80	Some properties of the minimum and the maximum of random variables with joint logconcave distributions. Metrika, 2010, 71, 313-317.	0.5	21
81	On the relationships between copulas of order statistics and marginal distributions. Statistics and Probability Letters, 2010, 80, 473-479.	0.4	24
82	Comparisons of coherent systems using stochastic precedence. Test, 2010, 19, 469-486.	0.7	43
83	Comparisons of series and parallel systems with components sharing the same copula. Applied Stochastic Models in Business and Industry, 2010, 26, 775-791.	0.9	87
84	Some new results on the cumulative residual entropy. Journal of Statistical Planning and Inference, 2010, 140, 310-322.	0.4	127
85	Alternative definitions of bivariate equilibrium distributions. Journal of Statistical Planning and Inference, 2010, 140, 2046-2056.	0.4	18
86	Study of some measures of dependence between order statistics and systems. Journal of Multivariate Analysis, 2010, 101, 52-67.	0.5	30
87	Applications of average and projected systems to the study of coherent systems. Journal of Multivariate Analysis, 2010, 101, 1471-1482.	0.5	43
88	Comparisons and bounds for expected lifetimes of reliability systems. European Journal of Operational Research, 2010, 207, 309-317.	3.5	70
89	Generalized mixtures in reliability modelling: Applications to the construction of bathtub shaped hazard models and the study of systems. Applied Stochastic Models in Business and Industry, 2009, 25, 323-337.	0.9	37
90	â€˜Understanding the shape of the mixture failure rateâ€™ by Maxim Finkelstein: Discussion 2. Applied Stochastic Models in Business and Industry, 2009, 25, 669-672.	0.9	0

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91	Dynamic signatures and their use in comparing the reliability of new and used systems. Naval Research Logistics, 2009, 56, 577-591.	1.4	76
92	Computations of Signatures of Coherent Systems with Five Components. Communications in Statistics Part B: Simulation and Computation, 2009, 39, 68-84.	0.6	88
93	Bounds on Variances of Lifetimes of Coherent and Mixed Systems. Journal of Applied Probability, 2009, 46, 894-908.	0.4	20
94	Bounds on Variances of Lifetimes of Coherent and Mixed Systems. Journal of Applied Probability, 2009, 46, 894-908.	0.4	20
95	Characterizations using the bivariate failure rate function. Statistics and Probability Letters, 2008, 78, 1349-1354.	0.4	17
96	Mean residual life functions of finite mixtures, order statistics and coherent systems. Metrika, 2008, 67, 277-298.	0.5	79
97	On the application and extension of system signatures in engineering reliability. Naval Research Logistics, 2008, 55, 313-327.	1.4	217
98	Likelihood ratio ordering of order statistics, mixtures and systems. Journal of Statistical Planning and Inference, 2008, 138, 1242-1257.	0.4	42
99	Characterizations and ordering properties based on log-odds functions. Statistics, 2008, 42, 313-328.	0.3	16
100	Characterizations by Power Contractions of Order Statistics. Communications in Statistics - Theory and Methods, 2008, 37, 987-997.	0.6	9
101	Mixture Representations of Residual Lifetimes of Used Systems. Journal of Applied Probability, 2008, 45, 1097-1112.	0.4	18
102	Mixture Representations of Residual Lifetimes of Used Systems. Journal of Applied Probability, 2008, 45, 1097-1112.	0.4	109
103	Negative Mixtures Order Statistics and Systems. , 2008, , 89-100.		9
104	Mean Residual Lifetimes of Consecutive-k-out-of-n Systems. Journal of Applied Probability, 2007, 44, 82-98.	0.4	2
105	Mean Residual Lifetimes of Consecutive-<i>k</i>-out-of-<i>n</i> Systems. Journal of Applied Probability, 2007, 44, 82-98.	0.4	61
106	Properties of Coherent Systems with Dependent Components. Communications in Statistics - Theory and Methods, 2007, 36, 175-191.	0.6	159
107	Are the Order Statistics Ordered? A Survey of Recent Results. Communications in Statistics - Theory and Methods, 2007, 36, 1273-1290.	0.6	19
108	Ordering Properties of Systems with Two Dependent Components. Communications in Statistics - Theory and Methods, 2007, 36, 645-655.	0.6	26

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109	Some Relationships Between Skew-Normal Distributions and Order Statistics from Exchangeable Normal Random Vectors. Communications in Statistics - Theory and Methods, 2007, 36, 1719-1733.	0.6	23
110	Some characterizations of multivariate distributions using products of the hazard gradient and mean residual life components. Statistics, 2007, 41, 85-91.	0.3	4
111	Tail hazard rate ordering properties of order statistics and coherent systems. Naval Research Logistics, 2007, 54, 820-828.	1.4	17
112	Reliability and expectation bounds for coherent systems with exchangeable components. Journal of Multivariate Analysis, 2007, 98, 102-113.	0.5	166
113	DISTRIBUTIONAL CHARACTERIZATIONS THROUGH SCALING RELATIONS. Australian and New Zealand Journal of Statistics, 2007, 49, 115-135.	0.4	27
114	Properties of systems with two exchangeable Pareto components. Statistical Papers, 2007, 49, 177-190.	0.7	19
115	Characterizations of Arnold and Straussâ€™ and related bivariate exponential models. Journal of Multivariate Analysis, 2007, 98, 1494-1507.	0.5	13
116	Multivariate weighted distributions: a review and some extensions. Statistics, 2006, 40, 51-64.	0.3	40
117	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.4	65
118	Hazard rate ordering of order statistics and systems. Journal of Applied Probability, 2006, 43, 391-408.	0.4	65
119	Reliability properties of systems with exchangeable components and exponential conditional distributions. Test, 2006, 15, 471-484.	0.7	16
120	Systems with Exchangeable Components and Gumbel Exponential Distribution. , 2006, , 291-306.		8
121	A note on comparisons among coherent systems with dependent components using signatures. Statistics and Probability Letters, 2005, 72, 179-185.	0.4	113
122	Bathtub Shaped Failure Rates From Mixtures: A Practical Point of View. IEEE Transactions on Reliability, 2005, 54, 270-275.	3.5	38
123	HOW TO OBTAIN BATHTUB-SHAPED FAILURE RATE MODELS FROM NORMAL MIXTURES. Probability in the Engineering and Informational Sciences, 2004, 18, 511-531.	0.6	68
124	A characterization of the multivariate normal distribution by using the hazard gradient. Annals of the Institute of Statistical Mathematics, 2004, 56, 361-367.	0.5	11
125	Some results on residual entropy function. Metrika, 2004, 59, 147-161.	0.5	84
126	Characterizations from Relationships Between Failure Rate Functions and Conditional Moments. Communications in Statistics - Theory and Methods, 2004, 33, 3159-3171.	0.6	18

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127	How to Detect Biased Samples?. Biometrical Journal, 2003, 45, 91-112.	0.6	8
128	Characterizations using weighted distributions. Journal of Statistical Planning and Inference, 2003, 116, 389-420.	0.4	21
129	Characterizations through reliability measures from weighted distributions. Statistical Papers, 2001, 42, 395-402.	0.7	35
130	Parametric Estimation from Weighted Samples. Biometrical Journal, 2001, 43, 297-311.	0.6	9
131	KERNEL ESTIMATION OF RESIDUAL ENTROPY. Communications in Statistics - Theory and Methods, 2001, 30, 1243-1255.	0.6	15
132	An experimental approach to the palynology of cave deposits. Journal of Quaternary Science, 2000, 15, 603-619.	1.1	71
133	The distribution of cluster pine (Pinuspinaster) in Spain as derived from palaeoecological data: relationships with phytosociological classification. Holocene, 2000, 10, 243-252.	0.9	95
134	Nonparametric estimator for mean residual life and vitality function. Statistical Papers, 1998, 39, 263-276.	0.7	10
135	A unified approach to characterization problems using conditional expectations. Journal of Statistical Planning and Inference, 1998, 69, 193-207.	0.4	11
136	Kernel density estimation using weighted data<sup>â˘—</sup>. Communications in Statistics - Theory and Methods, 1998, 27, 2123-2135.	0.6	34
137	New Stochastic Orders Based on Double Truncation. Probability in the Engineering and Informational Sciences, 1997, 11, 395-402.	0.6	19
138	Failure-rate functions for doubly-truncated random variables. IEEE Transactions on Reliability, 1996, 45, 685-690.	3.5	36
139	Characterizations based on conditional expectations of the doubled truncated distribution. Annals of the Institute of Statistical Mathematics, 1996, 48, 563-572.	0.5	56
140	Characterization of discrete distributions using expected values. Statistical Papers, 1995, 36, 237.	0.7	11
141	Characterization of distributions by relationships between failure rate and mean residual life. IEEE Transactions on Reliability, 1994, 43, 640-644.	3.5	35
142	Stochastic monotonicity of dependent variables given their sum. Test, 0, , 1.	0.7	3
143	On sums of dependent random lifetimes under the time-transformed exponential model. Test, 0, , 1.	0.7	0