Barry C Arnold

List of Publications by Year
in descending order

107 papers	3,860 citations	304743 22 h-index	138484 58 g-index
123 all docs	123 docs citations	123 times ranked	2039 citing authors

#	Article	IF	Citations
1	A new phase II EWMA dispersion control chart. Quality and Reliability Engineering International, 2022, 38, 1635-1658.	2.3	2
2	Preservation of distributional properties of component lifetimes by system lifetimes. Test, 2022, 31, 901-930.	1.1	1
3	A Note on the Birnbaumâ€“Saunders Conditionals Model. Symmetry, 2021, 13, 762.	2.2	1
4	Conditional specification of statistical models: Classical models, new developments and challenges. Journal of Multivariate Analysis, 2021, , 104801.	1.0	2
5	Properties and Applications of a New Family of Skew Distributions. Mathematics, 2021, 9, 87.	2.2	1
6	On a general class of gamma based copulas. Dependence Modeling, 2021, 9, 374-384.	0.5	0
7	Further Examples Related to the Identical Distribution of X/(X+Y) and Y/(X+Y). American Statistician, 2020, 74, 93-97.	1.6	0
8	On bivariate pseudo-exponential distributions. Journal of Applied Statistics, 2020, 47, 2299-2311.	1.3	3
9	Commentary on â€œFrom unidimensional to multidimensional inequality: a reviewâ€• Metron, 2020, 78, 43-46.	1.2	0
10	All Conditional Distributions for Y Given X that are Compatible with a Given Conditional Distribution for X Given Y. Sankhya A, 2020, , 1.	0.8	0
11	Univariate and Bivariate Models Related to the Generalized Epsilonâ€“Skewâ€“Cauchy Distribution. Symmetry, 2019, 11, 794.	2.2	2
12	Finite Form Representations for Meijer G and Fox H Functions. Lecture Notes in Statistics, 2019, , .	0.2	11
13	Application of the Finite Form Representations of Meijer G and Fox H Functions to the Distribution of Several Likelihood Ratio Test Statistics. Lecture Notes in Statistics, 2019, , 71-452.	0.2	1
14	Approximate Finite Forms for the Cases Not Covered by the Finite Representation Approach. Lecture Notes in Statistics, 2019, , 491-505.	0.2	0
15	Mathematicaâ€‡, Maxima, and R Packages to Implement the Likelihood Ratio Tests and Compute the Distributions in the Previous Chapter. Lecture Notes in Statistics, 2019, , 453-490.	0.2	0
16	The power piecewise exponential model. Journal of Statistical Computation and Simulation, 2018, 88, 825-840.	1.2	5
17	Analytic Expressions for Multivariate Lorenz Surfaces. Sankhya A, 2018, 80, 84-111.	0.8	5
18	Multivariate Majorization and Multivariate Lorenz Ordering. Statistics for Social and Behavioral Sciences, 2018, , 145-166.	0.3	0

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19	Families of Lorenz Curves. Statistics for Social and Behavioral Sciences, 2018, , 115-143.	0.3	0
20	Majorization and the Lorenz Order with Applications in Applied Mathematics and Economics. Statistics for Social and Behavioral Sciences, 2018, , .	0.3	26
21	More Applications. Statistics for Social and Behavioral Sciences, 2018, , 231-251.	0.3	0
22	Some alternative bivariate Kumaraswamy models. Communications in Statistics - Theory and Methods, 2017, 46, 9335-9354.	1.0	4
23	Construction of bivariate and multivariate weighted distributions via conditioning. Communications in Statistics - Theory and Methods, 2017, 46, 8897-8912.	1.0	1
24	Bivariate, multivariate, and matrix variate normal characterizations: A brief survey II. Communications in Statistics - Theory and Methods, 2017, 46, 11949-11971.	1.0	0
25	Lorenz order with common finite support. Metron, 2017, 75, 215-226.	1.2	3
26	Monitoring Process Variance Using an ARLâ€unbiased EWMAâ€p Control Chart. Quality and Reliability Engineering International, 2016, 32, 1227-1235.	2.3	22
27	A multivariate circular distribution with applications to the protein structure prediction problem. Journal of Multivariate Analysis, 2016, 143, 374-382.	1.0	9
28	Alternative approaches to conditional specification of bivariate distributions. Metron, 2016, 74, 21-36.	1.2	2
29	Preservation of failure rate function shape in weighted distributions. AStA Advances in Statistical Analysis, 2016, 100, 1-20.	0.9	3
30	A new approach for monitoring process variance. Journal of Statistical Computation and Simulation, 2016, 86, 2749-2765.	1.2	19
31	Orthogonal Spacings. Communications in Statistics - Theory and Methods, 2015, 44, 3998-4006.	1.0	0
32	The exact and near-exact distributions of the main likelihood ratio test statistics used in the complex multivariate normal setting. Test, 2015, 24, 386-416.	1.1	10
33	Preface for the Special Issue on Distribution Theory, Estimation, and Inference. Journal of Statistical Theory and Practice, 2015, 9, 1-1.	0.5	0
34	On Zenga and Bonferroni curves. Metron, 2015, 73, 25-30.	1.2	13
35	A test for equality of variances with censored samples. Journal of Statistical Computation and Simulation, 2015, 85, 450-467.	1.2	0
36	A doubly skewed normal distribution. Statistics, 2015, 49, 842-858.	0.6	12

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37	A Simple Approach for Monitoring Business Service Time Variation. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	5
38	On the Exact and Near-Exact Distributions of the Product of Generalized Gamma Random Variables and the Generalized Variance. Communications in Statistics - Theory and Methods, 2014, 43, 2007-2033.	1.0	6
39	Multiple constraint and truncated skew models. Statistics, 2014, 48, 971-982.	0.6	5
40	On Segregation: Ordering and Measuring. Sankhya B, 2014, 76, 141-166.	0.9	2
41	The multivariate alpha-power model. Journal of Statistical Planning and Inference, 2013, 143, 1244-1255.	0.6	6
42	The distribution of the product of powers of independent uniform random variables â€" A simple but useful tool to address and better understand the structure of some distributions. Journal of Multivariate Analysis, 2013, 113, 19-36.	1.0	22
43	Instances of the product of independent beta random variables and of the Meijer G and Fox H functions with finite representations. , 2012, , .		3
44	Generalized order statistic processes and Pfeifer records. Statistics, 2012, 46, 373-385.	0.6	4
45	On the Amato inequality index. Statistics and Probability Letters, 2012, 82, 1504-1506.	0.7	9
46	Inequalities: Theory of Majorization and Its Applications. Springer Series in Statistics, 2011, , .	0.9	1,071
47	Random and Point Process Record Models. Wiley Series in Probability and Statistics, 2011, , 223-264.	0.0	0
48	A general near-exact distribution theory forÂtheÂmostÂcommon likelihood ratio test statisticsÂusedÂinÂMultivariate Analysis. Test, 2011, 20, 180-203.	1.1	42
49	Flexible bivariate beta distributions. Journal of Multivariate Analysis, 2011, 102, 1194-1202.	1.0	29
50	A goodness of fit test for the Pareto distribution in the presence of Type II censoring, based on the cumulative hazard function. Computational Statistics and Data Analysis, 2010, 54, 833-842.	1.2	8
51	Near-Exact Distributions for Certain Likelihood Ratio Test Statistics. Journal of Statistical Theory and Practice, 2010, 4, 711-725.	0.5	22
52	On multiple constraint skewed models. Statistics, 2009, 43, 279-293.	0.6	26
53	Flexible univariate and multivariate models based on hidden truncation. Journal of Statistical Planning and Inference, 2009, 139, 3741-3749.	0.6	21
54	Families of Multivariate Distributions Involving â€œTriangularâ€•Transformations. Communications in Statistics - Theory and Methods, 2009, 39, 107-116.	1.0	12

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55	Some characterizations involving uniform and powers of uniform random variables. Statistics, 2008, 42, 527-534.	0.6	10
56	Distributions with Generalized Skewed Conditionals and Mixtures of Such Distributions. Communications in Statistics - Theory and Methods, 2007, 36, 1493-1503.	1.0	9
57	Variations on the classical multivariate normal theme. Journal of Statistical Planning and Inference, 2007, 137, 3249-3260.	0.6	3
58	Skewing Around: Relationships Among Classes of Skewed Distributions. Methodology and Computing in Applied Probability, 2007, 9, 153-162.	1.2	2
59	On limit laws for sums of Pfeifer records. Extremes, 2007, 10, 235-248.	1.0	6
60	Comments on: Progressive censoring methodology: anÂappraisal. Test, 2007, 16, 268-270.	1.1	0
61	Families of Multivariate Distributions Involving the Rosenblatt Construction. Journal of the American Statistical Association, 2006, 101, 1652-1662.	3.1	21
62	Probability distributions and statistical inference for axial data. Environmental and Ecological Statistics, 2006, 13, 271-285.	3.5	10
63	Recent advances in the analyses of directional data in ecological and environmental sciences. Environmental and Ecological Statistics, 2006, 13, 253-256.	3.5	15
64	Distributions with conditionals in truncated weighted families. Statistics, 2005, 39, 133-147.	0.6	2
65	PARAMETRIC INFERENCE WITH GENERALIZED RANKED SET DATA. , 2002, , 293-318.		1
66	Skewed multivariate models related to hidden truncation and/or selective reporting. Test, 2002, 11, 7-54.	1.1	199
67	A MULTIVARIATE VERSION OF STEIN'S IDENTITY WITH APPLICATIONS TO MOMENT CALCULATIONS AND ESTIMATION OF CONDITIONALLY SPECIFIED DISTRIBUTIONS. Communications in Statistics - Theory and Methods, 2001, 30, 2517-2542.	1.0	9
68	Conditionally Specified Distributions: An Introduction (with comments and a rejoinder by the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	2.8	110
69	BEADS, BAGS, BAYES, AND THE FUNDAMENTAL PROBLEM OF SAMPLING THEORY. Communications in Statistics - Theory and Methods, 2001, 30, 1963-1967.	1.0	1
70	QUANTIFICATION OF INCOMPATIBILITY OF CONDITIONAL AND MARGINAL INFORMATION. Communications in Statistics - Theory and Methods, 2001, 30, 381-395.	1.0	10
71	The skew-Cauchy distribution. Statistics and Probability Letters, 2000, 49, 285-290.	0.7	111
72	Multiple modes in densities with normal conditionals. Statistics and Probability Letters, 2000, 49, 355-363.	0.7	10

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73	Some Skewed Multivariate Distributions. American Journal of Mathematical and Management Sciences, 2000, 20, 27-38.	0.9	14
74	Some alternative bivariate Gumbel models. Environmetrics, 1998, 9, 599-616.	1.4	11
75	Distributions most nearly compatible with given families of conditional distributions. Test, 1998, 7, 377-390.	1.1	14
76	The use of conditionally conjugate priors in the study of ratios of gamma scale parameters. Computational Statistics and Data Analysis, 1998, 27, 125-139.	1.2	8
77	Joint Confidence Sets for the Mean and Variance of a Normal Distribution. American Statistician, 1998, 52, 133-140.	1.6	29
78	Modelling gas release event behaviour in hazardous waste tanks. Environmental and Ecological Statistics, 1996, 3, 281-290.	3.5	0
79	Conditional Proportional Hazards Models. , 1996, , 21-28.		8
80	Measuring Skewness with Respect to the Mode. American Statistician, 1995, 49, 34-38.	1.6	82
81	Multivariate normality via conditional specification. Statistics and Probability Letters, 1994, 20, 353-354.	0.7	10
82	A conditional characterization of the multivariate normal distribution. Statistics and Probability Letters, 1994, 19, 313-315.	0.7	13
83	Multivariate distributions with generalized Pareto conditionals. Statistics and Probability Letters, 1993, 17, 361-368.	0.7	27
84	The nontruncated marginal of a truncated bivariate normal distribution. Psychometrika, 1993, 58, 471-488.	2.1	160
85	Logistic processes involving markovian minimization. Communications in Statistics - Theory and Methods, 1993, 22, 1699-1707.	1.0	6
86	Conditionally Specified Distributions. Lecture Notes in Statistics, 1992, , .	0.2	68
87	Centered distributions with cauchy conditionals. Communications in Statistics - Theory and Methods, 1991, 20, 2881-2889.	1.0	2
88	On some properties of bivariate weighted distributions. Communications in Statistics - Theory and Methods, 1991, 20, 1853-1860.	1.0	16
89	THE LORENZ ORDER AND THE EFFECTS OF TAXATION POLICIES. Bulletin of Economic Research, 1990, 42, 249-264.	1.1	12
90	Dependence in conditionally specified distributions. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1990, , 13-18.	1.0	6

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91	Compatible Conditional Distributions. Journal of the American Statistical Association, 1989, 84, 152-156.	3.1	115
92	Bayesian Estimation and Prediction for Pareto Data. Journal of the American Statistical Association, 1989, 84, 1079-1084.	3.1	114
93	Compatible Conditional Distributions. Journal of the American Statistical Association, 1989, 84, 152.	3.1	34
94	Bayesian Estimation and Prediction for Pareto Data. Journal of the American Statistical Association, 1989, 84, 1079.	3.1	38
95	Bivariate Distributions with Exponential Conditionals. Journal of the American Statistical Association, 1988, 83, 522-527.	3.1	122
96	Bounds on the expected maximum. Communications in Statistics - Theory and Methods, 1988, 17, 2135-2150.	1.0	14
97	Bivariate Distributions With Exponential Conditionals. Journal of the American Statistical Association, 1988, 83, 522.	3.1	42
98	Generating Ordered Families of Lorenz Curves by Strongly Unimodal Distributions. Journal of Business and Economic Statistics, 1987, 5, 305-308.	2.9	22
99	Bivariate distributions with pareto conditionals. Statistics and Probability Letters, 1987, 5, 263-266.	0.7	38
100	Majorization and the Lorenz Order: A Brief Introduction. Lecture Notes in Statistics, 1987, , .	0.2	148
101	Limit laws in the best of 2n - 1 bernoulli trials. Naval Research Logistics Quarterly, 1984, 31, 275-281.	0.4	5
102	Maximal Deviation between Sample and Population Means in Finite Populations. Journal of the American Statistical Association, 1981, 76, 443-445.	3.1	9
103	Maximal Deviation Between Sample and Population Means in Finite Populations. Journal of the American Statistical Association, 1981, 76, 443.	3.1	3
104	Some Properties of the Arcsine Distribution. Journal of the American Statistical Association, 1980, 75, 173-175.	3.1	24
105	Some Properties of the Arcsine Distribution. Journal of the American Statistical Association, 1980, 75, 173.	3.1	5
106	Statistical inference for distributions with one Poisson conditional. Journal of Applied Statistics, 0, , 1-20.	1.3	5
107	Characterization of the Geometric Distribution Via Linear Combinations of Observations and of Records. Sankhya A, 0, , 1.	0.8	0