Alan Genz

List of Publications by Year
in descending order

34 papers	2,389 citations	430442 18 h-index	580395 25 g-index
34 all docs	34 docs citations	34 times ranked	1546 citing authors

#	Article	IF	Citations
1	Numerical Computation of Multivariate Normal Probabilities. Journal of Computational and Graphical Statistics, 1992, 1, 141-149.	0.9	553
2	Comparison of Methods for the Computation of Multivariate t Probabilities. Journal of Computational and Graphical Statistics, 2002, 11, 950-971.	0.9	266
3	An adaptive algorithm for the approximate calculation of multiple integrals. ACM Transactions on Mathematical Software, 1991, 17, 437-451.	1.6	229
4	Numerical Computation of Multivariate Normal Probabilities. Journal of Computational and Graphical Statistics, 1992, 1, 141.	0.9	218
5	Numerical computation of rectangular bivariate and trivariate normal and t probabilities. Statistics and Computing, 2004, 14, 251-260.	0.8	202
6	Fully symmetric interpolatory rules for multiple integrals over infinite regions with Gaussian weight. Journal of Computational and Applied Mathematics, 1996, 71, 299-309.	1.1	159
7	Algorithm 698: DCUHRE. ACM Transactions on Mathematical Software, 1991, 17, 452-456.	1.6	148
8	Numerical computation of multivariate t-probabilities with application to power calculation of multiple contrasts. Journal of Statistical Computation and Simulation, 1999, 63, 103-117.	0.7	121
9	On the Numerical Availability of Multiple Comparison Procedures. Biometrical Journal, 2001, 43, 645-656.	0.6	84
10	Stochastic Integration Rules for Infinite Regions. SIAM Journal of Scientific Computing, 1998, 19, 426-439.	1.3	47
11	Spherical-Radial Integration Rules for Bayesian Computation. Journal of the American Statistical Association, 1997, 92, 664-674.	1.8	45
12	Fully Symmetric Interpolatory Rules for Multiple Integrals. SIAM Journal on Numerical Analysis, 1986, 23, 1273-1283.	1.1	43
13	Numerical evaluation of singular multivariate normal distributions. Journal of Statistical Computation and Simulation, 2000, 68, 1-21.	0.7	39
14	Fully symmetric interpolatory rules for multiple integrals over hyper-spherical surfaces. Journal of Computational and Applied Mathematics, 2003, 157, 187-195.	1.1	39
15	Subregion-Adaptive Integration of Functions Having a Dominant Peak. Journal of Computational and Graphical Statistics, 1997, 6, 92.	0.9	28
16	DECUHR: an algorithm for automatic integration of singular functions over a hyperrectangular region. Numerical Algorithms, 1994, 8, 201-220.	1.1	25
17	Comparison of Methods for the Computation of Multivariate t Probabilities. , 0, .		25
18	A stochastic algorithm for high-dimensional integrals over unbounded regions with Gaussian weight. Journal of Computational and Applied Mathematics, 1999, 112, 71-81.	1.1	23

#	Article	IF	Citations
19	Bivariate conditioning approximations for multivariate normal probabilities. Statistics and Computing, 2015, 25, 989-996.	0.8	22
20	Subregion-Adaptive Integration of Functions Having a Dominant Peak. Journal of Computational and Graphical Statistics, 1997, 6, 92-111.	0.9	14
21	Spherical-Radial Integration Rules for Bayesian Computation. , 0, .		12
22	Methods for Generating Random Orthogonal Matrices. , 2000, , 199-213.		10
23	Statistics Applications of Subregion Adaptive Multiple Numerical Integration. , 1992, , 267-280.		9
24	Computation of the Distribution of the Maximum of Stationary Gaussian Processes. Methodology and Computing in Applied Probability, 2013, 15, 969-985.	0.7	7
25	Chapter 8 Efficient Computation of Confidence Intervals for Bayesian Model Predictions Based on Multidimensional Parameter Space. Methods in Enzymology, 2009, 454, 213-231.	0.4	6
26	The Supremum of Chi-Square Processes. Methodology and Computing in Applied Probability, 2014, 16, 715-729.	0.7	5
27	Critical point and power calculations for the studentized range test for generally correlated means. Journal of Statistical Computation and Simulation, 2001, 71, 85-97.	0.7	4
28	Stochastic methods for multiple integrals over unbounded regions. Mathematics and Computers in Simulation, 1998, 47, 287-298.	2.4	3
29	The Effect of Fire Risk on the Critical Harvesting Times for Pacific Northwest Douglas-Fir When Carbon Price Is Stochastic. Agricultural and Resource Economics Review, 2012, 41, 313-326.	0.6	2
30	A Look at Multiplicity Through Misclassification. Sankhya B, 2016, 78, 96-118.	0.4	1
31	Matrix methods for the forced diffusion equation. International Journal of Computer Mathematics, 1989, 30, 57-69.	1.0	0
32	MCQMC Methods for Multivariate Statistical Distributions. , 2008, , 35-52.		0
33	QMC Computation of Confidence Intervals for a Sleep Performance Model. Springer Proceedings in Mathematics and Statistics, 2012, , 373-384.	0.1	0
34	Computation of Statistics Integrals using Subregion Adaptive Numerical Integration. , 1994, , 46-51.		0