Georg Hahn

List of Publications by Year in descending order

32 papers	**279** citations	1307594 **7** h-index	1125743 **13** g-index
43 all docs	**43** docs citations	**43** times ranked	**144** citing authors

#	Article	IF	Citations
1	Finding Maximum Cliques on the D-Wave Quantum Annealer. Journal of Signal Processing Systems, 2019, 91, 363-377.	2.1	42
2	Parallel quantum annealing. Scientific Reports, 2022, 12, 4499.	3.3	22
3	Solving large minimum vertex cover problems on a quantum annealer. , 2019, , .		19
4	MMCTestâ€"A Safe Algorithm for Implementing Multiple Monte Carlo Tests. Scandinavian Journal of Statistics, 2014, 41, 1083-1101.	1.4	17
5	Solving Large Maximum Clique Problems on a Quantum Annealer. Lecture Notes in Computer Science, 2019, , 123-135.	1.3	17
6	Finding Maximum Cliques on a Quantum Annealer. , 2017, , .		14
7	Genomeâ€wide association analysis of COVIDâ€19 mortality risk in SARSâ€CoVâ€2 genomes identifies mutation in the SARSâ€CoVâ€2 spike protein that colocalizes with P.1 of the Brazilian strain. Genetic Epidemiology, 2021, 45, 685-693.	1.3	14
8	Optimizing the Spin Reversal Transform on the D-Wave 2000Q. , 2019, , .		11
9	Decomposition Algorithms for Solving NP-hard Problems on a Quantum Annealer. Journal of Signal Processing Systems, 2021, 93, 405-420.	2.1	9
10	A Framework for Monte Carlo based Multiple Testing. Scandinavian Journal of Statistics, 2016, 43, 1046-1063.	1.4	8
11	locStra: Fast analysis of regional/global stratification in wholeâ€genome sequencingÂstudies. Genetic Epidemiology, 2021, 45, 82-98.	1.3	8
12	Quantum annealing algorithms for Boolean tensor networks. Scientific Reports, 2022, 12, .	3.3	8
13	Using Graph Partitioning for Scalable Distributed Quantum Molecular Dynamics. Algorithms, 2019, 12, 187.	2.1	7
14	QuickMMCTest: quick multiple Monte Carlo testing. Statistics and Computing, 2017, 27, 823-832.	1.5	6
15	Reducing Binary Quadratic Forms for More Scalable Quantum Annealing. , 2017, , .		6
16	Unsupervised cluster analysis of SARSâ€CoVâ€2 genomes reflects its geographic progression and identifies distinct genetic subgroups of SARSâ€CoVâ€2 virus. Genetic Epidemiology, 2021, 45, 316-323.	1.3	6
17	Using Machine Learning for Quantum Annealing Accuracy Prediction. Algorithms, 2021, 14, 187.	2.1	5
18	BayesProject: Fast computation of a projection direction for multivariate changepoint detection. Statistics and Computing, 2020, 30, 1691-1705.	1.5	4

#	Article	IF	Citations
19	Optimizing Embedding-Related Quantum Annealing Parameters for Reducing Hardware Bias. Communications in Computer and Information Science, 2021, , 162-173.	0.5	4
20	A fast and efficient smoothing approach to Lasso regression and an application in statistical genetics: polygenic risk scores for chronic obstructive pulmonary disease (COPD). Statistics and Computing, 2021, 31, 1.	1.5	3
21	Inferring the Dynamics of the State Evolution During Quantum Annealing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 310-321.	5.6	3
22	Advanced unembedding techniques for quantum annealers. , 2020, , .		3
23	Advanced anneal paths for improved quantum annealing. , 2020, , .		3
24	A simple method for implementing Monte Carlo tests. Computational Statistics, 2020, 35, 1373-1392.	1.5	2
25	Closure properties of classes of multiple testing procedures. AStA Advances in Statistical Analysis, 2018, 102, 167-178.	0.9	1
26	Peering Into the Anneal Process of a Quantum Annealer. , 2019, , .		1
27	A Smoothed Version of the Lassosum Penalty for Fitting Integrated Risk Models Using Summary Statistics or Individual-Level Data. Genes, 2022, 13, 112.	2.4	1
28	Optimal allocation of Monte Carlo simulations to multiple hypothesis tests. Statistics and Computing, 2020, 30, 571-586.	1.5	0
29	Implementing Monte Carlo tests with p–value buckets. Scandinavian Journal of Statistics, 2020, 47, 950-967.	1.4	0
30	On the expected runtime of multiple testing algorithms with bounded error. Statistics and Probability Letters, 2020, 165, 108844.	0.7	0
31	Online multivariate changepoint detection with type I error control and constant time/memory updates per series. Statistics and Probability Letters, 2021, 181, 109258.	0.7	0
32	Covariate adjustment of spirometric and smoking phenotypes: The potential of neural network models. PLoS ONE, 2022, 17, e0266752.	2.5	0