

# Donald Geman

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

18,296  
citations

516215

16  
h-index

500791

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

14216  
citing authors

#	ARTICLE	IF	CITATIONS
1	An R package for divergence analysis of omics data. PLoS ONE, 2021, 16, e0249002.	1.1	2
2	Efficient representations of tumor diversity with paired DNA-RNA aberrations. PLoS Computational Biology, 2021, 17, e1008944.	1.5	2
3	Attribute Prototype Learning for Interactive Face Retrieval. IEEE Transactions on Information Forensics and Security, 2021, 16, 2593-2607.	4.5	5
4	Identifying Personalized Metabolic Signatures in Breast Cancer. Metabolites, 2021, 11, 20.	1.3	7
5	Revisiting the tumorigenesis timeline with a data-driven generative model. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 857-864.	3.3	44
6	Digitizing omics profiles by divergence from a baseline. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4545-4552.	3.3	23
7	Splice Expression Variation Analysis (SEVA) for inter-tumor heterogeneity of gene isoform usage in cancer. Bioinformatics, 2018, 34, 1859-1867.	1.8	11
8	Robust determination of differential abundance in shotgun proteomics using nonparametric statistics. Molecular Omics, 2018, 14, 424-436.	1.4	0
9	High resolution time-course mapping of early transcriptomic, molecular and cellular phenotypes in Huntington's disease CAG knock-in mice across multiple genetic backgrounds. Human Molecular Genetics, 2017, 26, 913-922.	1.4	37
10	Science in the age of selfies. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9384-9387.	3.3	38
11	Tracking Cross-Validated Estimates of Prediction Error as Studies Accumulate. Journal of the American Statistical Association, 2015, 110, 1239-1247.	1.8	11
12	Visual Turing test for computer vision systems. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3618-3623.	3.3	178
13	An argument for mechanism-based statistical inference in cancer. Human Genetics, 2015, 134, 479-495.	1.8	9
14	switchBox: an R package for "Top Scoring Pairs classifier development. Bioinformatics, 2015, 31, 273-274.	1.8	40
15	Learning Dysregulated Pathways in Cancers from Differential Variability Analysis. Cancer Informatics, 2014, 13s5, CIN.S14066.	0.9	37
16	Measuring the Effect of Inter-Study Variability on Estimating Prediction Error. PLoS ONE, 2014, 9, e110840.	1.1	19
17	Identification of direction in gene networks from expression and methylation. BMC Systems Biology, 2013, 7, 118.	3.0	6
18	Multi-study Integration of Brain Cancer Transcriptomes Reveals Organ-Level Molecular Signatures. PLoS Computational Biology, 2013, 9, e1003148.	1.5	16

#	ARTICLE	IF	CITATIONS
19	Computational Medicine: Translating Models to Clinical Care. <i>Science Translational Medicine</i> , 2012, 4, 158rv11.	5.8	171
20	A Comprehensive Statistical Model for Cell Signaling. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011, 8, 592-606.	1.9	12
21	Tackling the widespread and critical impact of batch effects in high-throughput data. <i>Nature Reviews Genetics</i> , 2010, 11, 733-739.	7.7	1,641
22	Identifying Tightly Regulated and Variably Expressed Networks by Differential Rank Conservation (DIRAC). <i>PLoS Computational Biology</i> , 2010, 6, e1000792.	1.5	73
23	In Search of a Unifying Theory for Image Interpretation. , 2006, , .		0
24	Hierarchical testing designs for pattern recognition. <i>Annals of Statistics</i> , 2005, 33, 1155.	1.4	51
25	Classifying Gene Expression Profiles from Pairwise mRNA Comparisons. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2004, 3, 1-19.	0.2	297
26	A coarse-to-fine strategy for multiclass shape detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004, 26, 1606-1621.	9.7	106
27	Coarse-to-Fine Classification and Scene Labeling. <i>Lecture Notes in Statistics</i> , 2003, , 31-48.	0.1	1
28	Coarse-to-Fine Face Detection. , 2001, 41, 85-107.		199
29	A Computational Model for Visual Selection. <i>Neural Computation</i> , 1999, 11, 1691-1715.	1.3	124
30	Efficient Focusing and Face Detection. , 1998, , 157-173.		19
31	Shape Quantization and Recognition with Randomized Trees. <i>Neural Computation</i> , 1997, 9, 1545-1588.	1.3	953
32	Stochastic relaxation, Gibbs distributions and the Bayesian restoration of images*. <i>Journal of Applied Statistics</i> , 1993, 20, 25-62.	0.6	325
33	Stochastic Relaxation, Gibbs Distributions, and the Bayesian Restoration of Images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1984, PAMI-6, 721-741.	9.7	13,839