

# Geoffrey Hinton

## List of Publications by Citations

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

39,589  
citations

15  
h-index

19  
g-index

19  
ext. papers

52,328  
ext. citations

10.2  
avg, IF

8.43  
L-index

#	Paper	IF	Citations
17	Deep learning. <i>Nature</i> , <b>2015</b> , 521, 436-44	50.4	32486
16	Deep Neural Networks for Acoustic Modeling in Speech Recognition: The Shared Views of Four Research Groups. <i>IEEE Signal Processing Magazine</i> , <b>2012</b> , 29, 82-97	9.4	5006
15	Acoustic Modeling Using Deep Belief Networks. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2012</b> , 20, 14-22		937
14	Deep Learning-A Technology With the Potential to Transform Health Care. <i>JAMA - Journal of the American Medical Association</i> , <b>2018</b> , 320, 1101-1102	27.4	265
13	Backpropagation and the brain. <i>Nature Reviews Neuroscience</i> , <b>2020</b> , 21, 335-346	13.5	154
12	Visualizing non-metric similarities in multiple maps. <i>Machine Learning</i> , <b>2012</b> , 87, 33-55	4	127
11	<b>2012</b> ,		113
10	Learning a better representation of speech soundwaves using restricted boltzmann machines <b>2011</b> ,		89
9	On deep generative models with applications to recognition <b>2011</b> ,		87
8	Deep learning for AI. <i>Communications of the ACM</i> , <b>2021</b> , 64, 58-65	2.5	75
7	Where do features come from?. <i>Cognitive Science</i> , <b>2014</b> , 38, 1078-101	2.2	63
6	Unsupervised discovery of nonlinear structure using contrastive backpropagation. <i>Cognitive Science</i> , <b>2006</b> , 30, 725-31	2.2	52
5	A comparison of statistical learning methods on the Gusto database. <i>Statistics in Medicine</i> , <b>1998</b> , 17, 2501-8	1.8	50
4	Phone recognition using Restricted Boltzmann Machines <b>2010</b> ,		38
3	Local Physical Models for Interactive Character Animation. <i>Computer Graphics Forum</i> , <b>2002</b> , 21, 337-346	2.4	21
2	Coaching variables for regression and classification. <i>Statistics and Computing</i> , <b>1998</b> , 8, 25-33	1.8	7
1	A comparison of statistical learning methods on the GUSTO database <b>1998</b> , 17, 2501		3

