

# Lawrence K Saul

## List of Publications by Year in Descending Order

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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.

14  
papers

11,228  
citations

8  
h-index

15  
g-index

15  
ext. papers

13,429  
ext. citations

9.2  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
14	A Nonlinear Matrix Decomposition for Mining the Zeros of Sparse Data. <i>SIAM Journal on Mathematics of Data Science</i> , <b>2022</b> , 4, 431-463	3.1	
13	An EM Algorithm for Capsule Regression. <i>Neural Computation</i> , <b>2021</b> , 33, 194-226	2.9	
12	A tractable latent variable model for nonlinear dimensionality reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 15403-15408	11.5	3
11	Online Learning and Acoustic Feature Adaptation in Large-Margin Hidden Markov Models. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2010</b> , 4, 926-942	7.5	2
10	Large-margin feature adaptation for automatic speech recognition <b>2009</b> ,		1
9	Comparison of Large Margin Training to Other Discriminative Methods for Phonetic Recognition by Hidden Markov Models <b>2007</b> ,		33
8	IDES: An Internet Distance Estimation Service for Large Networks. <i>IEEE Journal on Selected Areas in Communications</i> , <b>2006</b> , 24, 2273-2284	14.2	48
7	Unsupervised Learning of Image Manifolds by Semidefinite Programming. <i>International Journal of Computer Vision</i> , <b>2006</b> , 70, 77-90	10.6	369
6	Analysis and extension of spectral methods for nonlinear dimensionality reduction <b>2005</b> ,		46
5	Modeling distances in large-scale networks by matrix factorization <b>2004</b> ,		74
4	Learning a kernel matrix for nonlinear dimensionality reduction <b>2004</b> ,		218
3	Nonlinear dimensionality reduction by locally linear embedding. <i>Science</i> , <b>2000</b> , 290, 2323-6	33.3	9190
2	An Introduction to Variational Methods for Graphical Models. <i>Machine Learning</i> , <b>1999</b> , 37, 183-233	4	1241
1	Large Margin Training of Continuous Density Hidden Markov Models 101-114		3