

# Juha Karhunen

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

6,463  
citations

706676

14  
h-index

759306

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

4630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image pseudo tag generation with Deep Boltzmann machine and topic-concept similarity map. , 2017, , .		0
2	Gaussian Process kernels for popular state-space time series models. , 2016, , .		1
3	Variable selection for regression problems using Gaussian mixture models to estimate mutual information. , 2014, , .		1
4	Finding dependent and independent components from related data sets: A generalized canonical correlation analysis based method. Neurocomputing, 2013, 113, 153-167.	3.5	9
5	Bayesian Robust PCA of Incomplete Data. Neural Processing Letters, 2012, 36, 189-202.	2.0	65
6	A generalized canonical correlation analysis based method for blind source separation from related data sets. , 2012, , .		5
7	Finding dependent and independent components from two related data sets. , 2011, , .		2
8	A gradient-based algorithm competitive with variational Bayesian EM for mixture of Gaussians. , 2009, , .		9
9	Extending ICA for finding jointly dependent components from two related data sets. Neurocomputing, 2007, 70, 2969-2979.	3.5	11
10	Blind separation of nonlinear mixtures by variational Bayesian learning. , 2007, 17, 914-934.		19
11	Natural Conjugate Gradient in Variational Inference. Lecture Notes in Computer Science, 2007, , 305-314.	1.0	15
12	ADVANCES IN BLIND SOURCE SEPARATION (BSS) AND INDEPENDENT COMPONENT ANALYSIS (ICA) FOR NONLINEAR MIXTURES. International Journal of Neural Systems, 2004, 14, 267-292.	3.2	118
13	Hierarchical models of variance sources. Signal Processing, 2004, 84, 267-282.	2.1	35
14	Accelerating Cyclic Update Algorithms for Parameter Estimation by Pattern Searches. Neural Processing Letters, 2003, 17, 191-203.	2.0	11
15	An Unsupervised Ensemble Learning Method for Nonlinear Dynamic State-Space Models. Neural Computation, 2002, 14, 2647-2692.	1.3	80
16	LOCAL LINEAR INDEPENDENT COMPONENT ANALYSIS BASED ON CLUSTERING. International Journal of Neural Systems, 2000, 10, 439-451.	3.2	29
17	AN EXPERIMENTAL COMPARISON OF NEURAL ALGORITHMS FOR INDEPENDENT COMPONENT ANALYSIS AND BLIND SEPARATION. International Journal of Neural Systems, 1999, 09, 99-114.	3.2	69
18	Neural networks for blind separation with unknown number of sources. Neurocomputing, 1999, 24, 55-93.	3.5	83

#	ARTICLE	IF	CITATIONS
19	The nonlinear PCA criterion in blind source separation: Relations with other approaches. <i>Neurocomputing</i> , 1998, 22, 5-20.	3.5	85
20	Least-Squares Methods for Blind Source Separation Based on Nonlinear PCA. <i>International Journal of Neural Systems</i> , 1997, 08, 601-612.	3.2	36
21	From neural principal components to neural independent components. <i>Lecture Notes in Computer Science</i> , 1997, , 517-528.	1.0	2
22	A UNIFIED NEURAL BIGRADIANT ALGORITHM FOR ROBUST PCA AND MCA. <i>International Journal of Neural Systems</i> , 1996, 07, 53-67.	3.2	54
23	A nonlinear extension of the Generalized Hebbian learning. <i>Neural Processing Letters</i> , 1995, 2, 5-8.	2.0	6
24	Generalizations of principal component analysis, optimization problems, and neural networks. <i>Neural Networks</i> , 1995, 8, 549-562.	3.3	233
25	Stability of Oja's PCA Subspace Rule. <i>Neural Computation</i> , 1994, 6, 739-747.	1.3	15
26	Representation and separation of signals using nonlinear PCA type learning. <i>Neural Networks</i> , 1994, 7, 113-127.	3.3	338
27	FREQUENCY ESTIMATION BY A HEBBIAN SUBSPACE LEARNING ALGORITHM. , 1991, , 1637-1640.		3
28	On stochastic approximation of the eigenvectors and eigenvalues of the expectation of a random matrix. <i>Journal of Mathematical Analysis and Applications</i> , 1985, 106, 69-84.	0.5	412
29	An analysis of convergence for a learning version of the subspace method. <i>Journal of Mathematical Analysis and Applications</i> , 1983, 91, 102-111.	0.5	16