Kazuho Watanabe

List of Publications by Year
in descending order

63 papers	271 citations	1307594 7 h-index
71 all docs	71 docs citations	71 times ranked

1058476
14 g-index

166 citing authors

#	Article	IF	Citations
1	Stochastic complexities of general mixture models in variational Bayesian learning. Neural Networks, 2007, 20, 210-219.	5.9	37
2	Divergence measures and a general framework for local variational approximation. Neural Networks, 2011, 24, 1102-1109.	5.9	33
3	Upper bound for variational free energy of Bayesian networks. Machine Learning, 2009, 75, 199-215.	5.4	32
4	An alternative view of variational Bayes and asymptotic approximations of free energy. Machine Learning, 2012, 86, 273-293.	5.4	32
5	Variational Bayesian Mixture Model on a Subspace of Exponential Family Distributions. IEEE Transactions on Neural Networks, 2009, 20, 1783-1796.	4.2	14
6	Spectral-Based Contractible Parallel Coordinates. , 2014, , .		11
7	Bayesian properties of normalized maximum likelihood and its fast computation. , 2014, , .		10
8	TimeTubes: Visualization of Polarization Variations in Blazars. Galaxies, 2016, 4, 23.	3.0	8
9	Transfer Matrix Method for Instantaneous Spike Rate Estimation. IEICE Transactions on Information and Systems, 2009, E92-D, 1362-1368.	0.7	7
10	Variational Bayesian Inference Algorithms for Infinite Relational Model of Network Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2176-2181.	11.3	6
11	TimeTubes: Visual Exploration of Observed Blazar Datasets. Journal of Physics: Conference Series, 2018, 1036, 012011.	0.4	6
12	Vector quantization based on $\hat{\text{I}}\mu$-insensitive mixture models. Neurocomputing, 2015, 165, 32-37.	5.9	5
13	Biclustering multivariate data for correlated subspace mining. , 2015, , .		5
14	Phase diagrams of a variational Bayesian approach with ARD prior in NIRS-DOT. , 2011, , .		4
15	Rate-distortion function for gamma sources under absolute-log distortion measure. , 2013, , .		4
16	Rate-distortion bounds for an ε-insensitive distortion measure. , 2013, , .		3
17	Entropic risk minimization for nonparametric estimation of mixing distributions. Machine Learning, 2015, 99, 119-136.	5.4	3
18	Variational Inference With ARD Prior for NIRS Diffuse Optical Tomography. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1109-1114.	11.3	3

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19	TimeTubes: Design of a Visualization Tool for Time-Dependent, Multivariate Blazar Datasets. , 2016, , .		3
20	Rate-Distortion Bounds for μ-Insensitive Distortion Measures. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 370-377.	0.3	3
21	Gaze-driven placement of items for proactive visual exploration. Journal of Visualization, 2022, 25, 613-633.	1.8	3
22	Data-driven approach to Type Ia supernovae: variable selection on the peak luminosity and clustering in visual analytics. Journal of Physics: Conference Series, 2016, 699, 012009.	0.4	2
23	Rate–Distortion Functions for Gamma-Type Sources Under Absolute-Log Distortion Measure. IEEE Transactions on Information Theory, 2016, 62, 5496-5502.	2.4	2
24	Projection to Mixture Families and Rate-Distortion Bounds with Power Distortion Measures. Entropy, 2017, 19, 262.	2.2	2
25	Making many-to-many parallel coordinate plots scalable by asymmetric biclustering. , 2017, , .		2
26	Stochastic Complexity for Mixture of Exponential Families in Variational Bayes. Lecture Notes in Computer Science, 2005, , 107-121.	1.3	2
27	Firing Rate Estimation Using an Approximate Bayesian Method. Lecture Notes in Computer Science, 2009, , 655-662.	1.3	2
28	Stochastic complexity for mixture of exponential families in generalized variational Bayes. Theoretical Computer Science, 2007, 387, 4-17.	0.9	1
29	Asymmetric biclustering with constrained von Mises-Fisher models. Journal of Physics: Conference Series, 2016, 699, 012018.	0.4	1
30	Global Solver for Low-Rank Subspace Clustering. , 2019, , 255-278.		1
31	Discrete Optimal Reconstruction Distributions for Itakura-Saito Distortion Measure. , 2020, , .		1
32	Generalized Dirichlet-process-means for f-separable distortion measures. Neurocomputing, 2021, 458, 667-689.	5.9	1
33	Unified Likelihood Ratio Estimation for High- to Zero-Frequency N-Grams. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 1059-1074.	0.3	1
34	Simultaneous Clustering and Dimensionality Reduction Using Variational Bayesian Mixture Model. Studies in Classification, Data Analysis, and Knowledge Organization, 2010, , 81-89.	0.2	1
35	Vector Quantization Using Mixture of Epsilon-Insensitive Components. Lecture Notes in Computer Science, 2013, , 85-92.	1.3	1
36	Upper Bounds for Variational Stochastic Complexities of Bayesian Networks. Lecture Notes in Computer Science, 2006, , 139-146.	1.3	1

#	Article	IF	Citations
37	Approximate Bayesian Estimation of Varying Binomial Process. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 2879-2885.	0.3	1
38	Automatic DNN Node Pruning Using Mixture Distribution-based Group Regularization. , 0, , .		1
39	Context-aware placement of items with gaze-based interaction. , 2020, , .		1
40	Constant-width rate-distortion bounds for power distortion measures. , 2016, , .		0
41	Rate-distortion tradeoffs under Kernel-based distortion measures. , 2017, , .		0
42	Rate-Distortion Bounds for Kernel-Based Distortion Measures. Entropy, 2017, 19, 336.	2.2	0
43	Generalized Dirichlet-Process-Means for Robust and Maximum Distortion Criteria. , 2018, , .		0
44	Sparse Regression Code with Sparse Dictionary for Absolute Error Criterion. , 2018, , .		0
45	Bayesian Learning. , 2019, , 3-38.		0
46	Variational Bayesian Learning. , 2019, , 39-60.		0
47	VB Algorithm for Multilinear Models. , 2019, , 63-102.		0
48	VB Algorithm for Latent Variable Models. , 2019, , 103-131.		0
49	VB Algorithm under No Conjugacy. , 2019, , 132-146.		0
50	Global VB Solution of Fully Observed Matrix Factorization. , 2019, , 149-183.		0
51	Model-Induced Regularization and Sparsity Inducing Mechanism. , 2019, , 184-204.		0
52	Performance Analysis of VB Matrix Factorization. , 2019, , 205-235.		0
53	Global Solver for Matrix Factorization. , 2019, , 236-254.		0
54	Efficient Solver for Sparse Additive Matrix Factorization. , 2019, , 279-293.		0

#	Article	IF	Citations
55	MAP and Partially Bayesian Learning. , 2019, , 294-338.		0
56	Asymptotic Learning Theory. , 2019, , 341-384.		0
57	Asymptotic VB Theory of Reduced Rank Regression. , 2019, , 385-428.		0
58	Asymptotic VB Theory of Mixture Models. , 2019, , 429-454.		0
59	Asymptotic VB Theory of Other Latent Variable Models. , 2019, , 455-499.		0
60	Unified Theory for Latent Variable Models. , 2019, , 500-515.		0
61	Statistical Learning of the Insensitive Parameter in Support Vector Models. , 2021, , .		0
62	Estimating the Data Region Using Minimum and Maximum Values. Interdisciplinary Information Sciences, 2007, 13, 151-161.	0.4	0
63	Empirical Bayes Estimation for L_1 Regularization: A Detailed Analysis in the One-Parameter Lasso Model. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 2184-2191.	0.3	0