Kenji Yamanishi

List of Publications by Year
in descending order

65 papers	**952** citations	**13** h-index	**28** g-index
65 all docs	**65** docs citations	**65** times ranked	**725** citing authors

687363

501196

#	Article	IF	Citations
1	On-Line Unsupervised Outlier Detection Using Finite Mixtures with Discounting Learning Algorithms. Data Mining and Knowledge Discovery, 2004, 8, 275-300.	3.7	323
2	Detection of Longitudinal Visual Field Progression in Glaucoma Using Machine Learning. American Journal of Ophthalmology, 2018, 193, 71-79.	3.3	84
3	A learning criterion for stochastic rules. Machine Learning, 1992, 9, 165-203.	5.4	54
4	Topic analysis using a finite mixture model. Information Processing and Management, 2003, 39, 521-541.	8.6	35
5	Efficient Computation of Normalized Maximum Likelihood Codes for Gaussian Mixture Models With Its Applications to Clustering. IEEE Transactions on Information Theory, 2013, 59, 7718-7727.	2.4	33
6	Deep learning model to predict visual field in central 10Â° from optical coherence tomography measurement in glaucoma. British Journal of Ophthalmology, 2021, 105, 507-513.	3.9	32
7	Dynamic Model Selection With its Applications to Novelty Detection. IEEE Transactions on Information Theory, 2007, 53, 2180-2189.	2.4	29
8	Predicting the Glaucomatous Central 10-Degree Visual Field From Optical Coherence Tomography Using Deep Learning and Tensor Regression. American Journal of Ophthalmology, 2020, 218, 304-313.	3.3	19
9	Text classification using ESC-based stochastic decision lists. Information Processing and Management, 2002, 38, 343-361.	8.6	17
10	The decomposed normalized maximum likelihood code-length criterion for selecting hierarchical latent variable models. Data Mining and Knowledge Discovery, 2019, 33, 1017-1058.	3.7	17
11	A Learning Criterion for Stochastic Rules. Machine Learning, 1992, 9, 165-203.	5.4	16
12	Predicting disease progression from short biomarker series using expert advice algorithm. Scientific Reports, 2015, 5, 8953.	3.3	15
13	Model Change Detection With the MDL Principle. IEEE Transactions on Information Theory, 2018, 64, 6115-6126.	2.4	15
14	Multi-label learning with missing and completely unobserved labels. Data Mining and Knowledge Discovery, 2021, 35, 1061-1086.	3.7	15
15	Detecting gradual changes from data stream using MDL-change statistics. , 2016, , .		13
16	Word2vec Skip-Gram Dimensionality Selection via Sequential Normalized Maximum Likelihood. Entropy, 2021, 23, 997.	2.2	13
17	Efficient computation of normalized maximum likelihood coding for Gaussian mixtures with its applications to optimal clustering. , 2011, , .		12
18	Rank Selection for Non-negative Matrix Factorization with Normalized Maximum Likelihood Coding. , 2016, , .		11

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19	Long-tailed distributions of inter-event times as mixtures of exponential distributions. Royal Society Open Science, 2020, 7, 191643.	2.4	11
20	Distributed Cooperative Bayesian Learning Strategies. Information and Computation, 1999, 150, 22-56.	0.7	10
21	Sequential network change detection with its applications to ad impact relation analysis. Data Mining and Knowledge Discovery, 2015, 29, 137-167.	3.7	10
22	Online detection of continuous changes in stochastic processes. International Journal of Data Science and Analytics, 2017, 3, 213-229.	4.1	10
23	Predicting 10-2 Visual Field From Optical Coherence Tomography in Glaucoma Using Deep Learning Corrected With 24-2/30-2 Visual Field. Translational Vision Science and Technology, 2021, 10, 28.	2.2	10
24	Detecting Latent Structure Uncertainty with Structural Entropy. , 2018, , .		9
25	Decomposed Normalized Maximum Likelihood Codelength Criterion for Selecting Hierarchical Latent Variable Models. , 2017, , .		9
26	Probably almost discriminative learning. Machine Learning, 1995, 18, 23-50.	5.4	8
27	Correction to Efficient Computation of Normalized Maximum Likelihood Codes for Gaussian Mixture Models With Its Applications to Clustering [Nov 13 7718-7727]. IEEE Transactions on Information Theory, 2019, 65, 6827-6828.	2.4	8
28	Glaucoma Progression Prediction Using Retinal Thickness via Latent Space Linear Regression. , 2019, , .		7
29	A Joint Multitask Learning Model for Cross-sectional and Longitudinal Predictions of Visual Field Using OCT. Ophthalmology Science, 2021, 1, 100055.	2.5	7
30	An NML-based model selection criterion for general relational data modeling. , 2013, , .		6
31	Traffic Risk Mining From Heterogeneous Road Statistics. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3662-3675.	8.0	6
32	Change sign detection with differential MDL change statistics and its applications to COVID-19 pandemic analysis. Scientific Reports, 2021, 11, 19795.	3.3	6
33	Traffic risk mining from heterogeneous road statistics. , 2015, , .		5
34	Detecting changes in streaming data with information-theoretic windowing. , 2017, , .		5
35	Sequential Network Change Detection with Its Applications to Ad Impact Relation Analysis. , 2012, , .		4
36	Web Behavior Analysis Using Sparse Non-Negative Matrix Factorization. , 2016, , .		4

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37	Detecting Model Changes and their Early Warning Signals Using MDL Change Statistics. , 2019, , .		4
38	Summarizing Finite Mixture Model with Overlapping Quantification. Entropy, 2021, 23, 1503.	2.2	4
39	On-Line Maximum Likelihood Prediction with Respect to General Loss Functions. Journal of Computer and System Sciences, 1997, 55, 105-118.	1.2	3
40	Data Fusion Using Restricted Boltzmann Machines. , 2014, , .		3
41	Traffic Risk Mining Using Partially Ordered Non-Negative Matrix Factorization. , 2016, , .		3
42	Exact Calculation of Normalized Maximum Likelihood Code Length Using Fourier Analysis. , 2018, , .		3
43	High-dimensional penalty selection via minimum description length principle. Machine Learning, 2018, 107, 1283-1302.	5.4	3
44	Model Selection for Non-Negative Tensor Factorization with Minimum Description Length. Entropy, 2019, 21, 632.	2.2	3
45	Detecting Metachanges in Data Streams from the Viewpoint of the MDL Principle. Entropy, 2019, 21, 1134.	2.2	3
46	Grafting for combinatorial binary model using frequent itemset mining. Data Mining and Knowledge Discovery, 2020, 34, 101-123.	3.7	3
47	Improving Visual Field Trend Analysis with OCT and Deeply Regularized Latent-Space Linear Regression. Ophthalmology Glaucoma, 2021, 4, 78-88.	1.9	3
48	Discovering Latent Class Labels for Multi-Label Learning. , 2020, , .		3
49	Detecting Hierarchical Changes in Latent Variable Models. , 2020, , .		3
50	Graph Summarization withÂLatent Variable Probabilistic Models. Studies in Computational Intelligence, 2022, , 428-440.	0.9	3
51	On-line detection of continuous changes in stochastic processes. , 2015, , .		2
52	Structure Selection for Convolutive Non-negative Matrix Factorization Using Normalized Maximum Likelihood Coding. , 2016, , .		2
53	Temporal Network Change Detection Using Network Centralities. , 2016, , .		2
54	A basket two-part model to analyze medical expenditure on interdependent multiple sectors. Statistical Methods in Medical Research, 2018, 27, 1585-1600.	1.5	2

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55	Orderly Subspace Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5264-5272.	4.9	2
56	MixSp: A Framework for Embedding Heterogeneous Information Networks With Arbitrary Number of Node and Edge Types. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2627-2639.	5.7	2
57	PAMI: A Computational Module for Joint Estimation and Progression Prediction of Glaucoma. , 2021, , .		2
58	Fourier-Analysis-Based Form of Normalized Maximum Likelihood: Exact Formula and Relation to Complex Bayesian Prior. IEEE Transactions on Information Theory, 2021, 67, 6164-6178.	2.4	2
59	Attributed Subspace Clustering. , 2019, , .		2
60	Modern MDL meets Data Mining Insights, Theory, and Practice. , 2019, , .		1
61	Detecting Gradual Structure Changes of Non-parametric Distributions via Kernel Complexity. , 2021, , .		1
62	Early detection of persistent topics in social networks. Social Network Analysis and Mining, 2015, 5, 1.	2.8	0
63	Discovering potential traffic risks in Japan using a supervised learning approach. , 2017, , .		0
64	Latent Dimensionality Estimation for Probabilistic Canonical Correlation Analysis Using Normalized Maximum Likelihood Code-Length. , 2017, , .		0
65	Progress on Minimum Description Length Principle: From Basis to Advanced Topics. Ieice Ess Fundamentals Review, 2017, 10, 186-194.	0.1	0