Mineichi Kudo

List of Publications by Year
in descending order

| 134 papers | 1,994 citations | 394421

19
h-index | 289244

40
g-index |
|---|---|---|---|
| 153 all docs | 153 docs citations | 153 times ranked | 1726 citing authors |

#	Article	IF	Citations
1	Comparison of algorithms that select features for pattern classifiers. Pattern Recognition, 2000, 33, 25-41.	8.1	836
2	Multidimensional curve classification using passing-through regions. Pattern Recognition Letters, 1999, 20, 1103-1111.	4.2	99
3	Performance Analysis of Minimum<tex>ell_1</tex>-Norm Solutions for Underdetermined Source Separation. IEEE Transactions on Signal Processing, 2004, 52, 582-591.	5.3	72
4	Privacy-Preserved Behavior Analysis and Fall Detection by an Infrared Ceiling Sensor Network. Sensors, 2012, 12, 16920-16936.	3.8	62
5	Partitioning of Web graphs by community topology. , 2005, , .		59
6	Algorithms for Adversarial Bandit Problems with Multiple Plays. Lecture Notes in Computer Science, 2010, , 375-389.	1.3	35
7	Non-parametric classifier-independent feature selection. Pattern Recognition, 2006, 39, 737-746.	8.1	34
8	Construction of class regions by a randomized algorithm: a randomized subclass method. Pattern Recognition, 1996, 29, 581-588.	8.1	30
9	Data compression by volume prototypes for streaming data. Pattern Recognition, 2010, 43, 3162-3176.	8.1	30
10	Efficient action recognition via local position offset of 3D skeletal body joints. Multimedia Tools and Applications, 2016, 75, 3479-3494.	3.9	25
11	Feature selection based on the structural indices of categories. Pattern Recognition, 1993, 26, 891-901.	8.1	24
12	Segmentation of pores in wood microscopic images based on mathematical morphology with a variable structuring element. Computers and Electronics in Agriculture, 2011, 75, 250-260.	7.7	23
13	Multi-label classification with meta-label-specific features. , 2016, , .		23
14	VHP. Proceedings of the VLDB Endowment, 2020, 13, 1443-1455.	3.8	23
15	PIECEWISE LINEAR CLASSIFIERS WITH AN APPROPRIATE NUMBER OF HYPERPLANES. Pattern Recognition, 1998, 31, 1627-1634.	8.1	22
16	Probably correct k-nearest neighbor search in high dimensions. Pattern Recognition, 2010, 43, 1361-1372.	8.1	22
17	Multiperson Locating and Their Soft Tracking in a Binary Infrared Sensor Network. IEEE Transactions on Human-Machine Systems, 2015, 45, 550-561.	3.5	22
18	Soft authentication and behavior analysis using a chair with sensors attached: hipprint authentication. Pattern Analysis and Applications, 2009, 12, 251-260.	4.6	21

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19	Soft authentication using an infrared ceiling sensor network. Pattern Analysis and Applications, 2009, 12, 237-249.	4.6	19
20	Learning action patterns in difference images for efficient action recognition. Neurocomputing, 2014, 123, 328-336.	5.9	19
21	Classifier-independent feature selection for two-stage feature selection. Lecture Notes in Computer Science, 1998, , 548-554.	1.3	18
22	Entropy Criterion for Classifier-Independent Feature Selection. Lecture Notes in Computer Science, 2005, , 689-695.	1.3	18
23	Optimal Kernel in a Class of Kernels with an Invariant Metric. Lecture Notes in Computer Science, 2008, , 530-539.	1.3	14
24	A column-wise update algorithm for nonnegative matrix factorization in Bregman divergence with an orthogonal constraint. Machine Learning, 2016, 103, 285-306.	5.4	13
25	R2LSH: A Nearest Neighbor Search Scheme Based on Two-dimensional Projected Spaces. , 2020, , .		13
26	Classifier-independent feature selection on the basis of divergence criterion. Pattern Analysis and Applications, 2006, 9, 127-137.	4.6	12
27	Sitting posture analysis by pressure sensors. , 2008, , .		12
28	Whisper to normal speech conversion using pitch estimated from spectrum. Speech Communication, 2016, 83, 10-20.	2.8	12
29	Kernelized Supervised Laplacian Eigenmap for Visualization and Classification of Multi-Label Data. Pattern Recognition, 2022, 123, 108399.	8.1	11
30	Convex sets as prototypes for classifying patterns. Engineering Applications of Artificial Intelligence, 2009, 22, 101-108.	8.1	10
31	Efficient regular grammatical inference techniques by the use of partial similarities and their logical relationships. Pattern Recognition, 1988, 21, 401-409.	8.1	9
32	Integrated kernels and their properties. Pattern Recognition, 2007, 40, 2930-2938.	8.1	8
33	Theoretical analyses on a class of nested RKHS's. , 2011, , .		8
34	Temporal segmentation and assignment of successive actions in a long-term video. Pattern Recognition Letters, 2013, 34, 1936-1944.	4.2	8
35	Approximation of class regions by quasi convex hulls. Pattern Recognition Letters, 1998, 19, 777-786.	4.2	7
36	Simple termination conditions for k-nearest neighbor method. Pattern Recognition Letters, 2003, 24, 1203-1213.	4.2	7

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37	On the Minimum â„“1-Norm Signal Recovery in Underdetermined Source Separation. Lecture Notes in Computer Science, 2004, , 193-200.	1.3	7
38	Fast random k-labELsets for large-scale multi-label classification. , 2016, , .		7
39	An Efficient Approximate Algorithm for the 1-Median Problem on a Graph. IEICE Transactions on Information and Systems, 2017, E100.D, 994-1002.	0.7	7
40	READER: Robust Semi-Supervised Multi-Label Dimension Reduction. IEICE Transactions on Information and Systems, 2017, E100.D, 2597-2604.	0.7	7
41	Unsupervised Surface Reflectance Field Multi-segmenter. Lecture Notes in Computer Science, 2015, , 261-273.	1.3	7
42	Edge Detection of Tobacco Leaf Images Based on Fuzzy Mathematical Morphology. , 2009, , .		6
43	Recording the Activities of Daily Living based on person localization using an infrared ceiling sensor network. , 2011, , .		6
44	Dense core model for cohesive subgraph discovery. Social Networks, 2016, 44, 143-152.	2.1	6
45	Optimization of classifier chains via conditional likelihood maximization. Pattern Recognition, 2018, 74, 503-517.	8.1	6
46	Multi-label classification by polytree-augmented classifier chains with label-dependent features. Pattern Analysis and Applications, 2019, 22, 1029-1049.	4.6	6
47	Bagging, Random Subspace Method and Biding. Lecture Notes in Computer Science, 2008, , 801-810.	1.3	6
48	Analysis of context of 5â€²-splice site sequences in mammalian mRNA precursors by subclass method. Bioinformatics, 1992, 8, 367-376.	4.1	5
49	A Note on Ziarkoâ€™s Variable Precision Rough Set Model and Nonmonotonic Reasoning. Lecture Notes in Computer Science, 2004, , 103-108.	1.3	5
50	Fatigue detection using a pressure sensor chair. , 2011, , .		5
51	Construction of convex hull classifiers in high dimensions. Pattern Recognition Letters, 2011, 32, 2224-2230.	4.2	5
52	Speech rate change detection in martingale framework. , 2012, , .		5
53	Self-Similarities in Difference Images: A New Cue for Single-Person Oriented Action Recognition. IEICE Transactions on Information and Systems, 2013, E96.D, 1238-1242.	0.7	5
54	Variable Selection for Efficient Nonnegative Tensor Factorization. , 2015, , .		5

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55	Sitting posture diagnosis using a pressure sensor mat. , 2016, , .		5
56	Mining approximate patterns with frequent locally optimal occurrences. Discrete Applied Mathematics, 2016, 200, 123-152.	0.9	5
57	A Divergence Criterion for Classifier-Independent Feature Selection. Lecture Notes in Computer Science, 2000, , 668-676.	1.3	5
58	Decision Tree Using Class-Dependent Feature Subsets. Lecture Notes in Computer Science, 2002, , 761-769.	1.3	5
59	Person Localization and Soft Authentication Using an Infrared Ceiling Sensor Network. Lecture Notes in Computer Science, 2011, , 122-129.	1.3	5
60	HVS. Proceedings of the VLDB Endowment, 2021, 15, 246-258.	3.8	5
61	Syntactic pattern analysis of 5'-splice site sequences of mRNA precursors in higher eukaryote genes. Bioinformatics, 1987, 3, 319-324.	4.1	4
62	Fast Labelling of Natural Scenes Using Enhanced Knowledge. Pattern Analysis and Applications, 2001, 4, 20-27.	4.6	4
63	Weighted na&#x00EF;ve Bayes classifier on categorical features. , 2012, , .		4
64	Fast algorithms for finding a minimum repetition representation of strings and trees. Discrete Applied Mathematics, 2013, 161, 1556-1575.	0.9	4
65	Community Change Detection in Dynamic Networks in Noisy Environment. , 2015, , .		4
66	Location-associated indoor behavior analysis of multiple persons. , 2016, , .		4
67	Comparison of Bagging and Boosting Algorithms on Sample and Feature Weighting. Lecture Notes in Computer Science, 2009, , 22-31.	1.3	4
68	Collaborative Filtering Using Restoration Operators. Lecture Notes in Computer Science, 2003, , 339-349.	1.3	4
69	Discernibility-Based Variable Granularity and Kansei Representations. Lecture Notes in Computer Science, 2005, , 692-700.	1.3	4
70	What Sperner Family Concept Class is Easy to Be Enumerated?. , 2008, , .		3
71	Classification by reflective convex hulls. , 2008, , .		3
72	A top-down construction of class decision trees with selected features and classifiers. , 2010, , .		3

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73	Margin Preserved Approximate Convex Hulls for Classification. , 2010, , .		3
74	Attribute value reduction for gaining simpler rules. , 2011, , .		3
75	Acoustic characteristics related to the perceptual pitch in whispered vowels. , 2013, , .		3
76	Reduction of Attribute Values for Kansei Representation. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2006, 10, 666-672.	0.9	3
77	Extended Analyses for an Optimal Kernel in a Class of Kernels with an Invariant Metric. Lecture Notes in Computer Science, 2012, , 345-353.	1.3	3
78	Privacy Preserving Multi-target Tracking. Lecture Notes in Computer Science, 2015, , 519-530.	1.3	3
79	Simultaneous Nonlinear Label-Instance Embedding for Multi-label Classification. Lecture Notes in Computer Science, 2016, , 15-25.	1.3	3
80	CCIC: Consistent Common Itemsets Classifier. Lecture Notes in Computer Science, 2007, , 490-498.	1.3	3
81	A Relationship Between Generalization Error and Training Samples in Kernel Regressors. , 2010, , .		2
82	A practical comparison of edit distance approximation algorithms. , 2011, , .		2
83	Robust human pose estimation from corrupted images with partial occlusions and noise pollutions. , 2011, , .		2
84	Efficient construction and usefulness of hyper-rectangle greedy covers. , 2011, , .		2
85	Selection of Characteristic Frames in Video for Efficient Action Recognition. IEICE Transactions on Information and Systems, 2012, E95.D, 2514-2521.	0.7	2
86	ANALYSIS OF RELATIONSHIP BETWEEN RÃ‰NYI ENTROPY AND MARGINAL BAYES ERROR AND ITS APPLICATION TO WEIGHTED NAÃVE BAYES CLASSIFIERS. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1460006.	1.2	2
87	KL-UCB-Based Policy for Budgeted Multi-Armed Bandits with Stochastic Action Costs. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 2470-2486.	0.3	2
88	Fast Approximation Algorithm for the 1-Median Problem. Lecture Notes in Computer Science, 2012, , 169-183.	1.3	2
89	Feature and Classifier Selection in Class Decision Trees. Lecture Notes in Computer Science, 2008, , 562-571.	1.3	2
90	Soft Feature Selection by Using a Histogram-Based Classifier. Lecture Notes in Computer Science, 2008, , 572-581.	1.3	2

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91	Realization of membership quiries in character recognition. Pattern Recognition Letters, 1996, 17, 77-82.	4.2	1
92	Extended DNF Expression and Variable Granularity in Information Tables. IEEE Transactions on Fuzzy Systems, 2008, 16, 285-298.	9.8	1
93	How Do Facial Expressions Contribute to Age Prediction?. , 2013, , .		1
94	Selection of Features in Accord with Population Drift. , 2014, , .		1
95	An efficient construction and application usefulness of rectangle greedy covers. Pattern Recognition, 2014, 47, 1459-1468.	8.1	1
96	UCB-SC: A Fast Variant of KL-UCB-SC for Budgeted Multi-Armed Bandit Problem. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2018, E101.A, 662-667.	0.3	1
97	Algorithms for Finding a Minimum Repetition Representation of a String. Lecture Notes in Computer Science, 2010, , 185-190.	1.3	1
98	A Nearest Neighbor Method Using Bisectors. Lecture Notes in Computer Science, 2004, , 885-893.	1.3	1
99	Empirical Study on Usefulness of Algorithm SACwRApper for Reputation Extraction from the WWW. Lecture Notes in Computer Science, 2005, , 668-674.	1.3	1
100	Person Recognition by Pressure Sensors. Lecture Notes in Computer Science, 2005, , 703-708.	1.3	1
101	Recognition of Porosity in Wood Microscopic Anatomical Images. Lecture Notes in Computer Science, 2011, , 147-160.	1.3	1
102	Analyses on Generalization Error of Ensemble Kernel Regressors. Lecture Notes in Computer Science, 2014, , 273-281.	1.3	1
103	Balancing of Samples in Class Hierarchy. Lecture Notes in Computer Science, 2021, , 219-228.	1.3	1
104	Reduction of Categorical and Numerical Attribute Values for Understandability of Data and Rules. , 2007, , 211-218.		1
105	Selection of the Number of Components Using a Genetic Algorithm for Mixture Model Classifiers. Lecture Notes in Computer Science, 2000, , 511-520.	1.3	0
106	A two-channel coding of images using spline surfaces. Systems and Computers in Japan, 2001, 32, 13-20.	0.2	0
107	Projection Learning Based Kernel Machine Design Using Series of Monotone Increasing Reproducing Kernel Hilbert Spaces. Lecture Notes in Computer Science, 2004, , 1058-1064.	1.3	0
108	Design of decision trees using class-dependent feature subsets. Systems and Computers in Japan, 2005, 36, 37-47.	0.2	0

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109	Mathematical Interpretations of Kernel Ridge Regression. AIP Conference Proceedings, 2006, , .	0.4	0
110	Mining Subtrees with Frequent Occurrence of Similar Subtrees. , 2007, , 286-290.		0
111	Classification by bagged consistent itemset rules. , 2008, , .		0
112	Frequent Approximate Substring Pattern Mining Using Locally Optimal Occurrence Counting. , 2012, , .		0
113	Group Sleepiness Measurement in Classroom. Lecture Notes in Computer Science, 2014, , 64-72.	1.3	0
114	Deterioration of intelligibility in whispered Japanese speech. , 2014, , .		0
115	Average-case linear-time similar substring searching by the q -gram distance. Theoretical Computer Science, 2014, 530, 23-41.	0.9	0
116	An improved upper bound on the expected regret of UCB-type policies for a matching-selection bandit problem. Operations Research Letters, 2015, 43, 558-563.	0.7	0
117	Simultaneous visualization of samples, features and multi-labels. , 2016, , .		0
118	Locality in multi-label classification problems. , 2016, , .		0
119	Online EM for the Normalized Gaussian Network with Weight-Time-Dependent Updates. Lecture Notes in Computer Science, 2016, , 538-546.	1.3	0
120	AdaLSH: Adaptive LSH for Solving <i>c</i>-Approximate Maximum Inner Product Search Problem. IEICE Transactions on Information and Systems, 2021, E104.D, 138-145.	0.7	0
121	MLSH: Mixed Hash Function Family for Approximate Nearest Neighbor Search in Multiple Fractional Metrics. Lecture Notes in Computer Science, 2021, , 569-584.	1.3	0
122	A Region-Based Algorithm for Classifier-Independent Feature Selection. Combinatorial Optimization, 2003, , 315-340.	0.7	0
123	Collaborative Filtering Using Projective Restoration Operators. Lecture Notes in Computer Science, 2003, , 393-401.	1.3	0
124	Classifier-Independent Visualization of Supervised Data Structures Using a Graph. Lecture Notes in Computer Science, 2004, , 1043-1051.	1.3	0
125	Finding and Auto-labeling of Task Groups on E-Mails and Documents. Lecture Notes in Computer Science, 2005, , 696-702.	1.3	0
126	Specific-Purpose Web Searches on the Basis of Structure and Contents. Lecture Notes in Computer Science, 2006, , 79-96.	1.3	0

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127	Model Selection Using a Class of Kernels with an Invariant Metric. Lecture Notes in Computer Science, 2006, , 862-870.	1.3	0
128	Behavior Analysis of Volume Prototypes in High Dimensionality. Lecture Notes in Computer Science, 2008, , 874-884.	1.3	0
129	A Fast Nearest Neighbor Method Using Empirical Marginal Distribution. Lecture Notes in Computer Science, 2009, , 333-339.	1.3	0
130	Localized Projection Learning. Lecture Notes in Computer Science, 2010, , 90-99.	1.3	0
131	Ensemble and Multiple Kernel Regressors: Which Is Better?. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 2315-2324.	0.3	0
132	An Online Self-Constructive Normalized Gaussian Network with Localized Forgetting. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2017, E100.A, 865-876.	0.3	0
133	A Supervised Laplacian Eigenmap Algorithm for Visualization of Multi-label Data: SLE-ML. Lecture Notes in Computer Science, 2019, , 525-534.	1.3	0
134	SVM Based EVM for Open Space Problems. Lecture Notes in Computer Science, 2021, , 239-248.	1.3	0