Takafumi Kanamori

List of Publications by Year
in descending order

49 papers	1,236 citations	516710 16 h-index	434195 31 g-index
50 all docs	50 docs citations	50 times ranked	925 citing authors

#	ARTICLE	IF	CITATIONS
1	Uncertainty propagation for dropout-based Bayesian neural networks. Neural Networks, 2021, 144, 394-406.	5.9	19
2	Variable Selection for Nonparametric Learning with Power Series Kernels. Neural Computation, 2019, 31, 1718-1750.	2.2	1
3	Model Description of Similarity-Based Recommendation Systems. Entropy, 2019, 21, 702.	2.2	0
4	Special feature: information theory and statistics. Japanese Journal of Statistics and Data Science, 2019, 2, 437-440.	1.2	0
5	Spectral Embedded Deep Clustering. Entropy, 2019, 21, 795.	2.2	5
6	Risk bound of transfer learning using parametric feature mapping and its application to sparse coding. Machine Learning, 2019, 108, 1975-2008.	5.4	2
7	Numerical study of reciprocal recommendation with domain matching. Japanese Journal of Statistics and Data Science, 2019, 2, 221-240.	1.2	4
8	Parallel distributed block coordinate descent methods based on pairwise comparison oracle. Journal of Global Optimization, 2017, 69, 1-21.	1.8	8
9	DC Algorithm for Extended Robust Support Vector Machine. Neural Computation, 2017, 29, 1406-1438.	2.2	7
10	Robustness of learning algorithms using hinge loss with outlier indicators. Neural Networks, 2017, 94, 173-191.	5.9	3
11	Graph-based composite local Bregman divergences on discrete sample spaces. Neural Networks, 2017, 95, 44-56.	5.9	1
12	Breakdown Point of Robust Support Vector Machines. Entropy, 2017, 19, 83.	2.2	9
13	Efficiency Bound of Local Z-Estimators on Discrete Sample Spaces. Entropy, 2016, 18, 273.	2.2	1
14	Robust estimation under heavy contamination using unnormalized models. Biometrika, 2015, 102, 559-572.	2.4	19
15	Scale-Invariant Divergences for Density Functions. Entropy, 2014, 16, 2611-2628.	2.2	8
16	Statistical Analysis of Distance Estimators with Density Differences and Density Ratios. Entropy, 2014, 16, 921-942.	2.2	4
17	Numerical study of learning algorithms on Stiefel manifold. Computational Management Science, 2014, 11, 319-340.	1.3	3
18	Extended Robust Support Vector Machine Based on Financial Risk Minimization. Neural Computation, 2014, 26, 2541-2569.	2.2	10

#	Article	IF	Citations
19	Affine invariant divergences associated with proper composite scoring rules and their applications. Bernoulli, 2014, 20, .	1.3	13
20	Using financial risk measures for analyzing generalization performance of machine learning models. Neural Networks, 2014, 57, 29-38.	5.9	14
21	Computational complexity of kernel-based density-ratio estimation: a condition number analysis. Machine Learning, 2013, 90, 431-460.	5.4	11
22	Statistical models and learning algorithms for ordinal regression problems. Information Fusion, 2013, 14, 199-207.	19.1	3
23	Improving Logitboost with prior knowledge. Information Fusion, 2013, 14, 208-219.	19.1	6
24	A Bregman extension of quasi-Newton updates II: Analysis of robustness properties. Journal of Computational and Applied Mathematics, 2013, 253, 104-122.	2.0	4
25	A Bregman extension of quasi-Newton updates I: an information geometrical framework. Optimization Methods and Software, 2013, 28, 96-123.	2.4	8
26	Relative Density-Ratio Estimation for Robust Distribution Comparison. Neural Computation, 2013, 25, 1324-1370.	2.2	74
27	Semi-supervised learning with density-ratio estimation. Machine Learning, 2013, 91, 189-209.	5.4	18
28	Density-Difference Estimation. Neural Computation, 2013, 25, 2734-2775.	2.2	49
29	A Unified Classification Model Based on Robust Optimization. Neural Computation, 2013, 25, 759-804.	2.2	12
30	Direct Divergence Approximation between Probability Distributions and Its Applications in Machine Learning. Journal of Computing Science and Engineering, 2013, 7, 99-111.	0.6	32
31	Pooling Design and Bias Correction in DNA Library Screening. Journal of Statistical Theory and Practice, 2012, 6, 220-238.	0.5	5
32	Density-ratio matching under the Bregman divergence: a unified framework of density-ratio estimation. Annals of the Institute of Statistical Mathematics, 2012, 64, 1009-1044.	0.8	72
33	f-Divergence Estimation and Two-Sample Homogeneity Test Under Semiparametric Density-Ratio Models. IEEE Transactions on Information Theory, 2012, 58, 708-720.	2.4	25
34	Statistical analysis of kernel-based least-squares density-ratio estimation. Machine Learning, 2012, 86, 335-367.	5.4	47
35	Worst-Case Violation of Sampled Convex Programs for Optimization with Uncertainty. Journal of Optimization Theory and Applications, 2012, 152, 171-197.	1.5	15
36	Statistical outlier detection using direct density ratio estimation. Knowledge and Information Systems, 2011, 26, 309-336.	3.2	135

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37	Deformation of log-likelihood loss function for multiclass boosting. Neural Networks, 2010, 23, 843-864.	5.9	11
38	Nonparametric Conditional Density Estimation Using Piecewise-Linear Solution Path of Kernel Quantile Regression. Neural Computation, 2009, 21, 533-559.	2.2	44
39	A robust approach based on conditional value-at-risk measure to statistical learning problems. European Journal of Operational Research, 2009, 198, 287-296.	5.7	34
40	A Density-ratio Framework for Statistical Data Processing. IPSJ Transactions on Computer Vision and Applications, 2009, 1, 183-208.	4.4	32
41	Robust Boosting Algorithm Against Mislabeling in Multiclass Problems. Neural Computation, 2008, 20, 1596-1630.	2.2	19
42	Robust Loss Functions for Boosting. Neural Computation, 2007, 19, 2183-2244.	2.2	43
43	Pool-based active learning with optimal sampling distribution and its information geometrical interpretation. Neurocomputing, 2007, 71, 353-362.	5.9	16
44	Conditional mean estimation under asymmetric and heteroscedastic error by linear combination of quantile regressions. Computational Statistics and Data Analysis, 2006, 50, 3605-3618.	1.2	5
45	Part 6: Geometrical Structure of Boosting Algorithm. New Generation Computing, 2006, 25, 117-141.	3.3	1
46	Information Geometry of U-Boost and Bregman Divergence. Neural Computation, 2004, 16, 1437-1481.	2.2	139
47	Active learning algorithm using the maximum weighted log-likelihood estimator. Journal of Statistical Planning and Inference, 2003, 116, 149-162.	0.6	36
48	Robust Regression with Asymmetric Heavy-Tail Noise Distributions. Neural Computation, 2002, 14, 2469-2496.	2.2	11
49	Statistical Asymptotic Theory of Active Learning. Annals of the Institute of Statistical Mathematics, 2002, 54, 459-475.	0.8	5