

Yoshinobu Kawahara

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

934
citations

687363

13
h-index

610901

24
g-index

65
all docs

65
docs citations

65
times ranked

912
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential change-point detection based on direct density-ratio estimation. <i>Statistical Analysis and Data Mining</i> , 2012, 5, 114-127.	2.8	131
2	Change-Point Detection in Time-Series Data by Direct Density-Ratio Estimation. , 2009, , .		95
3	Change-Point Detection in Time-Series Data Based on Subspace Identification. , 2007, , .		59
4	Efficient network-guided multi-locus association mapping with graph cuts. <i>Bioinformatics</i> , 2013, 29, i171-i179.	4.1	52
5	Simultaneous pursuit of out-of-sample performance and sparsity in index tracking portfolios. <i>Computational Management Science</i> , 2013, 10, 21-49.	1.3	49
6	Sparse nonnegative dynamic mode decomposition. , 2017, , .		49
7	Subspace dynamic mode decomposition for stochastic Koopman analysis. <i>Physical Review E</i> , 2017, 96, 033310.	2.1	47
8	Separation of stationary and non-stationary sources with a generalized eigenvalue problem. <i>Neural Networks</i> , 2012, 33, 7-20.	5.9	45
9	Representative Selection with Structured Sparsity. <i>Pattern Recognition</i> , 2017, 63, 268-278.	8.1	45
10	Bayesian Dynamic Mode Decomposition. , 2017, , .		45
11	Telemetry-mining: A Machine Learning Approach to Anomaly Detection and Fault Diagnosis for Space Systems. , 0, , .		25
12	Efficient Generalized Fused Lasso and Its Applications. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-22.	4.5	21
13	Dynamic mode decomposition in vector-valued reproducing kernel Hilbert spaces for extracting dynamical structure among observables. <i>Neural Networks</i> , 2019, 117, 94-103.	5.9	19
14	Submodular fractional programming for balanced clustering. <i>Pattern Recognition Letters</i> , 2011, 32, 235-243.	4.2	17
15	Prediction and classification in equation-free collective motion dynamics. <i>PLoS Computational Biology</i> , 2018, 14, e1006545.	3.2	17
16	Analyzing relationships among ARMA processes based on non-Gaussianity of external influences. <i>Neurocomputing</i> , 2011, 74, 2212-2221.	5.9	14
17	Scatterplot layout for high-dimensional data visualization. <i>Journal of Visualization</i> , 2015, 18, 111-119.	1.8	14
18	Koopman Spectral Kernels for Comparing Complex Dynamics: Application to Multiagent Sport Plays. <i>Lecture Notes in Computer Science</i> , 2017, , 127-139.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Data-driven spectral analysis for coordinative structures in periodic human locomotion. Scientific Reports, 2019, 9, 16755.	3.3	13
20	Supervised dynamic mode decomposition via multitask learning. Pattern Recognition Letters, 2019, 122, 7-13.	4.2	12
21	Highly biocompatible super-resolution fluorescence imaging using the fast photoswitching fluorescent protein Kohinoor and SPoD-ExPAN with <i>L₁-p</i> -regularized image reconstruction. Microscopy (Oxford, England), 2018, 67, 89-98.	1.5	12
22	Toxicity prediction from toxicogenomic data based on class association rule mining. Toxicology Reports, 2014, 1, 1133-1142.	3.3	10
23	Automatically recognizing strategic cooperative behaviors in various situations of a team sport. PLoS ONE, 2018, 13, e0209247.	2.5	9
24	Analysis of factors predicting who obtains a ball in basketball rebounding situations. International Journal of Performance Analysis in Sport, 2019, 19, 192-205.	1.1	9
25	Physically-interpretable classification of biological network dynamics for complex collective motions. Scientific Reports, 2020, 10, 3005.	3.3	9
26	Cognition and interpersonal coordination of patients with schizophrenia who have sports habits. PLoS ONE, 2020, 15, e0241863.	2.5	9
27	Stationary Subspace Analysis as a Generalized Eigenvalue Problem. Lecture Notes in Computer Science, 2010, , 422-429.	1.3	8
28	Predicting behavior through dynamic modes in resting-state fMRI data. NeuroImage, 2022, 247, 118801.	4.2	8
29	An experimental comparison of linear non-Gaussian causal discovery methods and their variants. , 2010, , .		7
30	Arrangement of Low-Dimensional Parallel Coordinate Plots for High-Dimensional Data Visualization. , 2013, , .		7
31	Multi-Task Feature Selection on Multiple Networks via Maximum Flows. , 2014, , .		7
32	Structurally Regularized Non-negative Tensor Factorization for Spatio-Temporal Pattern Discoveries. Lecture Notes in Computer Science, 2017, , 582-598.	1.3	6
33	Spacecraft Diagnosis Method Using Dynamic Bayesian Networks. Transactions of the Japanese Society for Artificial Intelligence, 2006, 21, 45-54.	0.1	5
34	Active learning for noisy oracle via density power divergence. Neural Networks, 2013, 46, 133-143.	5.9	5
35	Skill grouping method: Mining and clustering skill differences from body movement BigData. , 2015, , .		5
36	Dynamic mode decomposition via convolutional autoencoders for dynamics modeling in videos. Computer Vision and Image Understanding, 2022, 216, 103355.	4.7	5

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37	Application of Continuous and Structural ARMA modeling for noise analysis of a BWR coupled core and plant instability event. <i>Annals of Nuclear Energy</i> , 2015, 75, 645-657.	1.8	3
38	A Novel Continuous and Structural VAR Modeling Approach and Its Application to Reactor Noise Analysis. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-22.	4.5	3
39	Factorially Switching Dynamic Mode Decomposition for Koopman Analysis of Time-Variant Systems. , 2018, , .		3
40	Prediction of Compound Bioactivities Using Heat-Diffusion Equation. <i>Patterns</i> , 2020, 1, 100140.	5.9	3
41	Autonomous Recognition of Multiple Cable Topology with Image. , 2006, , .		2
42	Toxicogenomic prediction with group sparse regularization based on transcription factor network information. <i>Fundamental Toxicological Sciences</i> , 2015, 2, 161-170.	0.6	2
43	A fault detection technique for the steel manufacturing process based on a normal pattern library. <i>IFAC-PapersOnLine</i> , 2015, 48, 871-876.	0.9	2
44	Higher Order Fused Regularization for Supervised Learning with Grouped Parameters. <i>Lecture Notes in Computer Science</i> , 2015, , 577-593.	1.3	2
45	AN EFFICIENT BRANCH-AND-CUT ALGORITHM FOR SUBMODULAR FUNCTION MAXIMIZATION. <i>Journal of the Operations Research Society of Japan</i> , 2020, 63, 41-59.	0.2	2
46	Controlling Nonlinear Dynamical Systems with Linear Quadratic Regulator-based Policy Networks in Koopman space. , 2021, , .		2
47	A Novel Structural AR Modeling Approach for a Continuous Time Linear Markov System. , 2013, , .		1
48	An Efficient Branch-and-Cut Algorithm for Approximately Submodular Function Maximization. , 2019, , .		1
49	Koopman spectral analysis of elementary cellular automata. <i>Chaos</i> , 2021, 31, 103121.	2.5	1
50	Discriminant Dynamic Mode Decomposition for Labeled Spatiotemporal Data Collections. <i>SIAM Journal on Applied Dynamical Systems</i> , 2022, 21, 1030-1058.	1.6	1
51	Visualization of Spacecraft Data Based on Interdependency Between Changing Points in Time Series. , 2006, , .		0
52	Learning Non-linear Dynamical Systems by Alignment of Local Linear Models. , 2010, , .		0
53	Learning with Coherence Patterns in Multivariate Time-series Data via Dynamic Mode Decomposition. , 2019, , .		0
54	Principal points analysis via p-median problem for binary data. <i>Journal of Applied Statistics</i> , 2020, 47, 1282-1297.	1.3	0

#	ARTICLE	IF	CITATIONS
55	Change-Point Detection Algorithms based on Subspace Methods. Transactions of the Japanese Society for Artificial Intelligence, 2008, 23, 76-85.	0.1	0
56	Learning Non-linear Dynamical Systems by Alignment of Local Linear Models. Transactions of the Japanese Society for Artificial Intelligence, 2011, 26, 638-648.	0.1	0
57	Active Learning for Regression via Density Power Divergence. Transactions of the Japanese Society for Artificial Intelligence, 2013, 28, 13-21.	0.1	0
58	Interpretation Support System for Classification Patterns in Deep Learning with Texts. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2019, 31, 779-787.	0.0	0
59	Dynamic Mode Decomposition via Dictionary Learning for Foreground Modeling in Videos. , 2020, , .		0
60	Learning Multiple Nonlinear Dynamical Systems with Side Information. , 2020, , .		0
61	Active Change-Point Detection. Transactions of the Japanese Society for Artificial Intelligence, 2020, 35, E-JA10_1-10.	0.1	0