

Bernhard Schäflkopf

List of Publications by Year in descending order

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Version: 2024-02-01

285
papers

51,368
citations

13099

68
h-index

2332

199
g-index

295
all docs

295
docs citations

295
times ranked

43023
citing authors

#	ARTICLE	IF	CITATIONS
1	A tutorial on support vector regression. <i>Statistics and Computing</i> , 2004, 14, 199-222.	1.5	8,373
2	Nonlinear Component Analysis as a Kernel Eigenvalue Problem. <i>Neural Computation</i> , 1998, 10, 1299-1319.	2.2	6,336
3	Estimating the Support of a High-Dimensional Distribution. <i>Neural Computation</i> , 2001, 13, 1443-1471.	2.2	4,068
4	An introduction to kernel-based learning algorithms. <i>IEEE Transactions on Neural Networks</i> , 2001, 12, 181-201.	4.2	2,811
5	A gene expression map of <i>Arabidopsis thaliana</i> development. <i>Nature Genetics</i> , 2005, 37, 501-506.	21.4	2,293
6	New Support Vector Algorithms. <i>Neural Computation</i> , 2000, 12, 1207-1245.	2.2	2,216
7	<i>Learning with Kernels.</i> , 2018, , .		1,419
8	Kernel methods in machine learning. <i>Annals of Statistics</i> , 2008, 36, .	2.6	1,313
9	Comparing support vector machines with Gaussian kernels to radial basis function classifiers. <i>IEEE Transactions on Signal Processing</i> , 1997, 45, 2758-2765.	5.3	1,073
10	Integrating structured biological data by Kernel Maximum Mean Discrepancy. <i>Bioinformatics</i> , 2006, 22, e49-e57.	4.1	1,037
11	Input space versus feature space in kernel-based methods. <i>IEEE Transactions on Neural Networks</i> , 1999, 10, 1000-1017.	4.2	953
12	A Generalized Representer Theorem. <i>Lecture Notes in Computer Science</i> , 2001, , 416-426.	1.3	786
13	Measuring Statistical Dependence with Hilbert-Schmidt Norms. <i>Lecture Notes in Computer Science</i> , 2005, , 63-77.	1.3	723
14	Common Sequence Polymorphisms Shaping Genetic Diversity in <i>Arabidopsis thaliana</i> . <i>Science</i> , 2007, 317, 338-342.	12.6	689
15	EnhanceNet: Single Image Super-Resolution Through Automated Texture Synthesis. , 2017, , .		646
16	Support Vector Machines and Kernels for Computational Biology. <i>PLoS Computational Biology</i> , 2008, 4, e1000173.	3.2	515
17	The connection between regularization operators and support vector kernels. <i>Neural Networks</i> , 1998, 11, 637-649.	5.9	505
18	MRI-Based Attenuation Correction for PET/MRI: A Novel Approach Combining Pattern Recognition and Atlas Registration. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1875-1883.	5.0	430

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19	Support Vector Channel Selection in BCI. IEEE Transactions on Biomedical Engineering, 2004, 51, 1003-1010.	4.2	411
20	Inferring causation from time series in Earth system sciences. Nature Communications, 2019, 10, 2553.	12.8	411
21	Learning to Deblur. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1439-1451.	13.9	409
22	Training Invariant Support Vector Machines. Machine Learning, 2002, 46, 161-190.	5.4	383
23	A tutorial on $\frac{1}{2}$ -support vector machines. Applied Stochastic Models in Business and Industry, 2005, 21, 111-136.	1.5	367
24	Toward Causal Representation Learning. Proceedings of the IEEE, 2021, 109, 612-634.	21.3	327
25	A kernel view of the dimensionality reduction of manifolds. , 2004, , .		323
26	A Hilbert Space Embedding for Distributions. Lecture Notes in Computer Science, 2007, , 13-31.	1.3	318
27	Towards quantitative PET/MRI: a review of MR-based attenuation correction techniques. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 93-104.	6.4	314
28	Transfer Learning in Brain-Computer Interfaces AbstractuFFFDThe performance of brain-computer interfaces (BCIs) improves with the amount of avail. IEEE Computational Intelligence Magazine, 2016, 11, 20-31.	3.2	297
29	MRI-Based Attenuation Correction for Whole-Body PET/MRI: Quantitative Evaluation of Segmentation- and Atlas-Based Methods. Journal of Nuclear Medicine, 2011, 52, 1392-1399.	5.0	255
30	Learning from labeled and unlabeled data on a directed graph. , 2005, , .		254
31	Iterative kernel principal component analysis for image modeling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1351-1366.	13.9	240
32	Fast removal of non-uniform camera shake. , 2011, , .		229
33	Recording and Playback of Camera Shake: Benchmarking Blind Deconvolution with a Real-World Database. Lecture Notes in Computer Science, 2012, , 27-40.	1.3	219
34	A Machine Learning Approach for Non-blind Image Deconvolution. , 2013, , .		208
35	Constructing boosting algorithms from SVMs: an application to one-class classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1184-1199.	13.9	197
36	A few extreme events dominate global interannual variability in gross primary production. Environmental Research Letters, 2014, 9, 035001.	5.2	194

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37	Crowdsourced analysis of clinical trial data to predict amyotrophic lateral sclerosis progression. <i>Nature Biotechnology</i> , 2015, 33, 51-57.	17.5	178
38	Where did I take that snapshot? Scene-based homing by image matching. <i>Biological Cybernetics</i> , 1998, 79, 191-202.	1.3	177
39	Fast protein classification with multiple networks. <i>Bioinformatics</i> , 2005, 21, ii59-ii65.	4.1	170
40	Kernel Mean Embedding of Distributions: A Review and Beyond. <i>Foundations and Trends in Machine Learning</i> , 2017, 10, 1-141.	69.0	167
41	Transition from the locked in to the completely locked-in state: A physiological analysis. <i>Clinical Neurophysiology</i> , 2011, 122, 925-933.	1.5	163
42	Structure and dynamics of information pathways in online media. , 2013, , .		161
43	Constructing descriptive and discriminative nonlinear features: rayleigh coefficients in kernel feature spaces. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2003, 25, 623-628.	13.9	158
44	Efficient filter flow for space-variant multiframe blind deconvolution. , 2010, , .		151
45	Uncovering the structure and temporal dynamics of information propagation. <i>Network Science</i> , 2014, 2, 26-65.	1.0	150
46	Learning View Graphs for Robot Navigation. <i>Autonomous Robots</i> , 1998, 5, 111-125.	4.8	149
47	Information-geometric approach to inferring causal directions. <i>Artificial Intelligence</i> , 2012, 182-183, 1-31.	5.8	146
48	Incorporating invariances in support vector learning machines. <i>Lecture Notes in Computer Science</i> , 1996, , 47-52.	1.3	144
49	MR-Based PET Attenuation Correction for PET/MR Imaging. <i>Seminars in Nuclear Medicine</i> , 2013, 43, 45-59.	4.6	138
50	Automatic Image Colorization Via Multimodal Predictions. <i>Lecture Notes in Computer Science</i> , 2008, , 126-139.	1.3	138
51	Leveraging the Crowd to Detect and Reduce the Spread of Fake News and Misinformation. , 2018, , .		131
52	Quantifying causal influences. <i>Annals of Statistics</i> , 2013, 41, .	2.6	129
53	View-Based Cognitive Mapping and Path Planning. <i>Adaptive Behavior</i> , 1995, 3, 311-348.	1.9	127
54	Center-surround patterns emerge as optimal predictors for human saccade targets. <i>Journal of Vision</i> , 2009, 9, 7-7.	0.3	127

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55	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THE $K2$ DATA. <i>Astrophysical Journal</i> , 2015, 806, 215.	4.5	123
56	Probabilistic movement modeling for intention inference in human-robot interaction. <i>International Journal of Robotics Research</i> , 2013, 32, 841-858.	8.5	120
57	Experimentally optimal $\hat{\gamma}$ in support vector regression for different noise models and parameter settings. <i>Neural Networks</i> , 2004, 17, 127-141.	5.9	118
58	Causal Inference Using the Algorithmic Markov Condition. <i>IEEE Transactions on Information Theory</i> , 2010, 56, 5168-5194.	2.4	114
59	Optimization of k -space trajectories for compressed sensing by Bayesian experimental design. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 116-126.	3.0	107
60	Classifying EEG and ECoG signals without subject training for fast BCI implementation: comparison of nonparalyzed and completely paralyzed subjects. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2006, 14, 183-186.	4.9	106
61	A Unifying View of Wiener and Volterra Theory and Polynomial Kernel Regression. <i>Neural Computation</i> , 2006, 18, 3097-3118.	2.2	104
62	DiSMEC. , 2017, , .		102
63	Movement templates for learning of hitting and batting. , 2010, , .		101
64	Causal influence of gamma oscillations on the sensorimotor rhythm. <i>NeuroImage</i> , 2011, 56, 837-842.	4.2	101
65	easyGWAS: A Cloud-Based Platform for Comparing the Results of Genome-Wide Association Studies. <i>Plant Cell</i> , 2017, 29, 5-19.	6.6	98
66	Covariate Shift by Kernel Mean Matching. , 2008, , 131-160.		98
67	Causal Inference on Discrete Data Using Additive Noise Models. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011, 33, 2436-2450.	13.9	97
68	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. <i>Astronomical Journal</i> , 2016, 152, 206.	4.7	96
69	On Estimation of Functional Causal Models. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-22.	4.5	96
70	Online Video Deblurring via Dynamic Temporal Blending Network. , 2017, , .		95
71	Shifts of Gamma Phase across Primary Visual Cortical Sites Reflect Dynamic Stimulus-Modulated Information Transfer. <i>PLoS Biology</i> , 2015, 13, e1002257.	5.6	95
72	Mask-Specific Inpainting with Deep Neural Networks. <i>Lecture Notes in Computer Science</i> , 2014, , 523-534.	1.3	92

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73	At-TAX: a whole genome tiling array resource for developmental expression analysis and transcript identification in <i>Arabidopsis thaliana</i> . <i>Genome Biology</i> , 2008, 9, R112.	9.6	91
74	Generalization performance of regularization networks and support vector machines via entropy numbers of compact operators. <i>IEEE Transactions on Information Theory</i> , 2001, 47, 2516-2532.	2.4	90
75	Learning Blind Motion Deblurring. , 2017, , .		87
76	Feature selection and transduction for prediction of molecular bioactivity for drug design. <i>Bioinformatics</i> , 2003, 19, 764-771.	4.1	86
77	Causal interpretation rules for encoding and decoding models in neuroimaging. <i>NeuroImage</i> , 2015, 110, 48-59.	4.2	84
78	Robust EEG Channel Selection across Subjects for Brain-Computer Interfaces. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005, 2005, 1.	1.7	83
79	Discovering Causal Signals in Images. , 2017, , .		83
80	Kernel-Based Tests for Joint Independence. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2018, 80, 5-31.	2.2	83
81	An online brain-computer interface based on shifting attention to concurrent streams of auditory stimuli. <i>Journal of Neural Engineering</i> , 2012, 9, 026011.	3.5	82
82	On the empirical estimation of integral probability metrics. <i>Electronic Journal of Statistics</i> , 2012, 6, .	0.7	76
83	Remote Sensing Feature Selection by Kernel Dependence Measures. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2010, 7, 587-591.	3.1	75
84	EPIBLASTER-fast exhaustive two-locus epistasis detection strategy using graphical processing units. <i>European Journal of Human Genetics</i> , 2011, 19, 465-471.	2.8	74
85	Enhancing human learning via spaced repetition optimization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3988-3993.	7.1	72
86	Learning from Labeled and Unlabeled Data Using Random Walks. <i>Lecture Notes in Computer Science</i> , 2004, , 237-244.	1.3	70
87	Gaussian Process-Based Predictive Control for Periodic Error Correction. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 110-121.	5.2	70
88	High gamma-power predicts performance in sensorimotor-rhythm brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2012, 9, 046001.	3.5	68
89	Blind retrospective motion correction of MR images. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1608-1618.	3.0	65
90	Statistical Learning Theory: Models, Concepts, and Results. <i>Handbook of the History of Logic</i> , 2011, , 651-706.	0.5	63

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91	Contour-propagation algorithms for semi-automated reconstruction of neural processes. <i>Journal of Neuroscience Methods</i> , 2008, 167, 349-357.	2.5	61
92	Influence Estimation and Maximization in Continuous-Time Diffusion Networks. <i>ACM Transactions on Information Systems</i> , 2016, 34, 1-33.	4.9	61
93	Real-Time Gravitational Wave Science with Neural Posterior Estimation. <i>Physical Review Letters</i> , 2021, 127, 241103.	7.8	61
94	Kernel PCA Pattern Reconstruction via Approximate Pre-Images. <i>Perspectives in Neural Computing</i> , 1998, , 147-152.	0.1	60
95	A tutorial on kernel methods for categorization. <i>Journal of Mathematical Psychology</i> , 2007, 51, 343-358.	1.8	59
96	Improving the <i>Caenorhabditis elegans</i> Genome Annotation Using Machine Learning. <i>PLoS Computational Biology</i> , 2007, 3, e20.	3.2	57
97	Causal relationships between frequency bands of extracellular signals in visual cortex revealed by an information theoretic analysis. <i>Journal of Computational Neuroscience</i> , 2010, 29, 547-566.	1.0	57
98	Data scarcity, robustness and extreme multi-label classification. <i>Machine Learning</i> , 2019, 108, 1329-1351.	5.4	55
99	Non-stationary correction of optical aberrations. , 2011, , .		54
100	Flexible Spatio-Temporal Networks for Video Prediction. , 2017, , .		54
101	Does Cognitive Science Need Kernels?. <i>Trends in Cognitive Sciences</i> , 2009, 13, 381-388.	7.8	52
102	MR-Based Attenuation Correction Methods for Improved PET Quantification in Lesions Within Bone and Susceptibility Artifact Regions. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1768-1774.	5.0	50
103	Seeing the Arrow of Time. , 2014, , .		50
104	Learning causality and causality-related learning: some recent progress. <i>National Science Review</i> , 2018, 5, 26-29.	9.5	49
105	Causality for Machine Learning. , 2022, , 765-804.		49
106	Support Vector Machines for 3D Shape Processing. <i>Computer Graphics Forum</i> , 2005, 24, 285-294.	3.0	48
107	Results of the GREAT08 Challengeã~...: an image analysis competition for cosmological lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , no-no.	4.4	47
108	Adaptation and Robust Learning of Probabilistic Movement Primitives. <i>IEEE Transactions on Robotics</i> , 2020, 36, 366-379.	10.3	45

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109	Implicit Surface Modelling with a Globally Regularised Basis of Compact Support. Computer Graphics Forum, 2006, 25, 635-644.	3.0	44
110	A Causal, Data-driven Approach to Modeling the Kepler Data. Publications of the Astronomical Society of the Pacific, 2016, 128, 094503.	3.1	44
111	Generalization and similarity in exemplar models of categorization: Insights from machine learning. Psychonomic Bulletin and Review, 2008, 15, 256-271.	2.8	43
112	Learning strategies in table tennis using inverse reinforcement learning. Biological Cybernetics, 2014, 108, 603-619.	1.3	42
113	Voluntary brain regulation and communication with electrocorticogram signals. Epilepsy and Behavior, 2008, 13, 300-306.	1.7	41
114	Regression by dependence minimization and its application to causal inference in additive noise models. , 2009, , .		41
115	Real-time prediction of COVID-19 related mortality using electronic health records. Nature Communications, 2021, 12, 1058.	12.8	41
116	Statistical Learning and Kernel Methods. , 2001, , 3-24.		41
117	Learning to see and act. Nature, 2015, 518, 486-487.	27.8	40
118	Multidimensional Contrast Limited Adaptive Histogram Equalization. IEEE Access, 2019, 7, 165437-165447.	4.2	40
119	Cost-Sensitive Active Learning With Lookahead: Optimizing Field Surveys for Remote Sensing Data Classification. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 6652-6664.	6.3	39
120	Modeling confounding by half-sibling regression. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7391-7398.	7.1	38
121	Gravitational Lensing Accuracy Testing 2010 (GREAT10) Challenge Handbook. Annals of Applied Statistics, 2011, 5, .	1.1	36
122	Jointly learning trajectory generation and hitting point prediction in robot table tennis. , 2016, , .		36
123	A Short Introduction to Learning with Kernels. Lecture Notes in Computer Science, 2003, , 41-64.	1.3	35
124	FEATURE SELECTION FOR SUPPORT VECTOR MACHINES USING GENETIC ALGORITHMS. International Journal on Artificial Intelligence Tools, 2004, 13, 791-800.	1.0	35
125	The effect of patient positioning aids on PET quantification in PET/MR imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 920-929.	6.4	35
126	A brain computer interface with online feedback based on magnetoencephalography. , 2005, , .		34

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127	Classification of Faces in Man and Machine. <i>Neural Computation</i> , 2006, 18, 143-165.	2.2	33
128	Local learning projections. , 2007, , .		33
129	Falsificationism and Statistical Learning Theory: Comparing the Popper and Vapnik-Chervonenkis Dimensions. <i>Journal for General Philosophy of Science</i> , 2009, 40, 51-58.	1.4	33
130	Learning inverse kinematics with structured prediction. , 2011, , .		33
131	Causal Discovery from Nonstationary/Heterogeneous Data: Skeleton Estimation and Orientation Determination. , 2017, 2017, 1347-1353.		33
132	Classifying Event-Related Desynchronization in EEG, ECoG and MEG Signals. <i>Lecture Notes in Computer Science</i> , 2006, , 404-413.	1.3	32
133	GLIDE: GPU-Based Linear Regression for Detection of Epistasis. <i>Human Heredity</i> , 2012, 73, 220-236.	0.8	32
134	A Review of Performance Variations in SMR-Based Brain-Computer Interfaces (BCIs). <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 39-51.	0.5	32
135	Kernels, regularization and differential equations. <i>Pattern Recognition</i> , 2008, 41, 3271-3286.	8.1	31
136	A Hilbert Space Embedding for Distributions. , 2007, , 40-41.		31
137	Maximal margin classification for metric spaces. <i>Journal of Computer and System Sciences</i> , 2005, 71, 333-359.	1.2	30
138	Identification of causal relations in neuroimaging data with latent confounders: An instrumental variable approach. <i>NeuroImage</i> , 2016, 125, 825-833.	4.2	30
139	How to Find Interesting Locations in Video: A Spatiotemporal Interest Point Detector Learned from Human Eye Movements. , 2007, , 405-414.		30
140	Automatic 3D face reconstruction from single images or video. , 2008, , .		29
141	Generalized Score Functions for Causal Discovery. , 2018, 2018, 1551-1560.		29
142	Similarity, kernels, and the triangle inequality. <i>Journal of Mathematical Psychology</i> , 2008, 52, 297-303.	1.8	28
143	Multiframe blind deconvolution, super-resolution, and saturation correction via incremental EM. , 2010, , .		28
144	Nonparametric Regression between General Riemannian Manifolds. <i>SIAM Journal on Imaging Sciences</i> , 2010, 3, 527-563.	2.2	28

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145	A brain-computer interface based on self-regulation of gamma-oscillations in the superior parietal cortex. <i>Journal of Neural Engineering</i> , 2014, 11, 056015.	3.5	28
146	Blind multirigid retrospective motion correction of MR images. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1457-1468.	3.0	28
147	Building Sparse Large Margin Classifiers. , 2005, , .		28
148	Assessing attention and cognitive function in completely locked-in state with event-related brain potentials and epidural electrocorticography. <i>Journal of Neural Engineering</i> , 2014, 11, 026006.	3.5	27
149	Large scale genomic sequence SVM classifiers. , 2005, , .		27
150	Real Time Trajectory Prediction Using Deep Conditional Generative Models. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 970-976.	5.1	26
151	Fast Approximation of Support Vector Kernel Expansions, and an Interpretation of Clustering as Approximation in Feature Spaces. <i>Informatik Aktuell</i> , 1998, , 125-132.	0.6	26
152	Anticipatory action selection for human-robot table tennis. <i>Artificial Intelligence</i> , 2017, 247, 399-414.	5.8	25
153	A Kernel Approach for Learning from almost Orthogonal Patterns. <i>Lecture Notes in Computer Science</i> , 2002, , 511-528.	1.3	25
154	Probabilistic Modeling of Human Movements for Intention Inference. , 0, , .		25
155	A kernel-based causal learning algorithm. , 2007, , .		24
156	Protein functional class prediction with a combined graph. <i>Expert Systems With Applications</i> , 2009, 36, 3284-3292.	7.6	23
157	Causal Discovery via Reproducing Kernel Hilbert Space Embeddings. <i>Neural Computation</i> , 2014, 26, 1484-1517.	2.2	23
158	Justifying Information-Geometric Causal Inference. , 2015, , 253-265.		23
159	Generalized Clustering via Kernel Embeddings. <i>Lecture Notes in Computer Science</i> , 2009, , 144-152.	1.3	23
160	Fragmentation of Slow Wave Sleep after Onset of Complete Locked-In State. <i>Journal of Clinical Sleep Medicine</i> , 2013, 09, 951-953.	2.6	22
161	Self-regulation of brain rhythms in the precuneus: a novel BCI paradigm for patients with ALS. <i>Journal of Neural Engineering</i> , 2016, 13, 066021.	3.5	22
162	Learning view graphs for robot navigation. , 1997, , .		21

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163	A 32-channel multi-coil setup optimized for human brain shimming at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 749-764.	3.0	21
164	Sparse Kernel Feature Analysis. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2002, , 167-178.	0.2	21
165	Tailoring density estimation via reproducing kernel moment matching. , 2008, , .		20
166	Sparse online model learning for robot control with support vector regression. , 2009, , .		20
167	Handbook of Statistical Bioinformatics. , 2011, , .		20
168	Learning to Play Table Tennis From Scratch Using Muscular Robots. <i>IEEE Transactions on Robotics</i> , 2022, 38, 3850-3860.	10.3	20
169	Predicting motor learning performance from Electroencephalographic data. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 24.	4.6	19
170	Algorithmic independence of initial condition and dynamical law in thermodynamics and causal inference. <i>New Journal of Physics</i> , 2016, 18, 093052.	2.9	19
171	Analysis of cause-effect inference by comparing regression errors. <i>PeerJ Computer Science</i> , 2019, 5, e169.	4.5	19
172	Detecting the direction of causal time series. , 2009, , .		18
173	Computing functions of random variables via reproducing kernel Hilbert space representations. <i>Statistics and Computing</i> , 2015, 25, 755-766.	1.5	18
174	Using probabilistic movement primitives for striking movements. , 2016, , .		18
175	Simpson's Paradox in COVID-19 Case Fatality Rates: A Mediation Analysis of Age-Related Causal Effects. <i>IEEE Transactions on Artificial Intelligence</i> , 2021, 2, 18-27.	4.7	18
176	Blind Correction of Optical Aberrations. <i>Lecture Notes in Computer Science</i> , 2012, , 187-200.	1.3	18
177	Object correspondence as a machine learning problem. , 2005, , .		18
178	Sparse multiscale gaussian process regression. , 2008, , .		17
179	Prototype Classification: Insights from Machine Learning. <i>Neural Computation</i> , 2009, 21, 272-300.	2.2	17
180	HiFiVE: A Hilbert Space Embedding of Fiber Variability Estimates for Uncertainty Modeling and Visualization. <i>Computer Graphics Forum</i> , 2013, 32, 121-130.	3.0	17

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181	Entropy Numbers, Operators and Support Vector Kernels. Lecture Notes in Computer Science, 1999, , 285-299.	1.3	17
182	Joint Kernel Maps. Lecture Notes in Computer Science, 2005, , 176-191.	1.3	16
183	Learning optimal striking points for a ping-pong playing robot. , 2015, , .		16
184	A Novel Unsupervised Segmentation Approach Quantifies Tumor Tissue Populations Using Multiparametric MRI: First Results with Histological Validation. Molecular Imaging and Biology, 2017, 19, 391-397.	2.6	16
185	Convex Cost Functions for Support Vector Regression. Perspectives in Neural Computing, 1998, , 99-104.	0.1	16
186	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. Astronomical Journal, 2022, 163, 284.	4.7	16
187	Multi-way set enumeration in weight tensors. Machine Learning, 2011, 82, 123-155.	5.4	15
188	BundleMAP: Anatomically localized classification, regression, and hypothesis testing in diffusion MRI. Pattern Recognition, 2017, 63, 593-600.	8.1	15
189	Uncertainty estimation and explainability in deep learning-based age estimation of the human brain: Results from the German National Cohort MRI study. Computerized Medical Imaging and Graphics, 2021, 92, 101967.	5.8	15
190	Real-Time Fetal Heart Monitoring in Biomagnetic Measurements Using Adaptive Real-Time ICA. IEEE Transactions on Biomedical Engineering, 2007, 54, 1867-1874.	4.2	14
191	Case series: Slowing alpha rhythm in late-stage ALS patients. Clinical Neurophysiology, 2018, 129, 406-408.	1.5	14
192	Robust Ensemble Learning for Data Mining. Lecture Notes in Computer Science, 2000, , 341-344.	1.3	14
193	Regularized Principal Manifolds. Lecture Notes in Computer Science, 1999, , 214-229.	1.3	14
194	A brain-robot interface for studying motor learning after stroke. , 2012, , .		13
195	Causal and anti-causal learning in pattern recognition for neuroimaging. , 2014, , .		13
196	Prediction of Glucose Tolerance without an Oral Glucose Tolerance Test. Frontiers in Endocrinology, 2018, 9, 82.	3.5	13
197	Spreadâ€spectrum magnetic resonance imaging. Magnetic Resonance in Medicine, 2019, 82, 877-885.	3.0	13
198	Implicit surface modelling as an eigenvalue problem. , 2005, , .		13

#	ARTICLE	IF	CITATIONS
199	The effect of artifacts on dependence measurement in fMRI. <i>Magnetic Resonance Imaging</i> , 2006, 24, 401-409.	1.8	12
200	Learning anticipation policies for robot table tennis. , 2011, , .		12
201	Behind Distribution Shift: Mining Driving Forces of Changes and Causal Arrows. , 2017, 2017, 913-918.		12
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