

Bernhard Schälgkopf

List of Publications by Year in descending order

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285
papers

51,368
citations

15880

67
h-index

2750

198
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295
all docs

295
docs citations

295
times ranked

49047
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Context Awareness for Unsupervised Change Detection in Optical Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	8
2	Causality for Machine Learning. , 2022, , 765-804.		49
3	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. Astronomical Journal, 2022, 163, 284.	1.9	16
4	Learning to Play Table Tennis From Scratch Using Muscular Robots. IEEE Transactions on Robotics, 2022, 38, 3850-3860.	7.3	20
5	ArmSym: A Virtual Human-Robot Interaction Laboratory for Assistive Robotics. IEEE Transactions on Human-Machine Systems, 2021, 51, 568-577.	2.5	7
6	Real-time prediction of COVID-19 related mortality using electronic health records. Nature Communications, 2021, 12, 1058.	5.8	41
7	Simpson's Paradox in COVID-19 Case Fatality Rates: A Mediation Analysis of Age-Related Causal Effects. IEEE Transactions on Artificial Intelligence, 2021, 2, 18-27.	3.4	18
8	Toward Causal Representation Learning. Proceedings of the IEEE, 2021, 109, 612-634.	16.4	327
9	Detection of diabetes from whole-body MRI using deep learning. JCI Insight, 2021, 6, .	2.3	10
10	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.	3.5	15
11	Real-Time Gravitational Wave Science with Neural Posterior Estimation. Physical Review Letters, 2021, 127, 241103.	2.9	61
12	A 32-channel multi-coil setup optimized for human brain shimming at 9.4T. Magnetic Resonance in Medicine, 2020, 83, 749-764.	1.9	21
13	Phenomenal Causality and Sensory Realism. I-Perception, 2020, 11, 204166952092703.	0.8	4
14	Real Time Trajectory Prediction Using Deep Conditional Generative Models. IEEE Robotics and Automation Letters, 2020, 5, 970-976.	3.3	26
15	Adaptation and Robust Learning of Probabilistic Movement Primitives. IEEE Transactions on Robotics, 2020, 36, 366-379.	7.3	45
16	ODIN: ODE-Informed Regression for Parameter and State Inference in Time-Continuous Dynamical Systems. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 6364-6371.	3.6	5
17	A New Distribution-Free Concept for Representing, Comparing, and Propagating Uncertainty in Dynamical Systems with Kernel Probabilistic Programming. IFAC-PapersOnLine, 2020, 53, 7240-7247.	0.5	3
18	MYND. , 2020, , .		1

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19	Enhancing human learning via spaced repetition optimization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3988-3993.	3.3	72
20	Inferring causation from time series in Earth system sciences. Nature Communications, 2019, 10, 2553.	5.8	411
21	Spread-spectrum magnetic resonance imaging. Magnetic Resonance in Medicine, 2019, 82, 877-885.	1.9	13
22	Data scarcity, robustness and extreme multi-label classification. Machine Learning, 2019, 108, 1329-1351.	3.4	55
23	Foundations and new horizons for causal inference. Oberwolfach Reports, 2019, 16, 1499-1571.	0.0	2
24	Multidimensional Contrast Limited Adaptive Histogram Equalization. IEEE Access, 2019, 7, 165437-165447.	2.6	40
25	Neural Signatures of Motor Skill in the Resting Brain. , 2019, , .		2
26	Quantum mean embedding of probability distributions. Physical Review Research, 2019, 1, .	1.3	12
27	Analysis of cause-effect inference by comparing regression errors. PeerJ Computer Science, 2019, 5, e169.	2.7	19
28	Detecting Confounding in Multivariate Linear Models via Spectral Analysis. Journal of Causal Inference, 2018, 6, .	0.5	10
29	Autofocusing-based phase correction. Magnetic Resonance in Medicine, 2018, 80, 958-968.	1.9	1
30	Leveraging the Crowd to Detect and Reduce the Spread of Fake News and Misinformation. , 2018, , .		131
31	Learning causality and causality-related learning: some recent progress. National Science Review, 2018, 5, 26-29.	4.6	49
32	Discriminative Transfer Learning for General Image Restoration. IEEE Transactions on Image Processing, 2018, 27, 4091-4104.	6.0	12
33	Kernel-Based Tests for Joint Independence. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2018, 80, 5-31.	1.1	83
34	Case series: Slowing alpha rhythm in late-stage ALS patients. Clinical Neurophysiology, 2018, 129, 406-408.	0.7	14
35	Efficient Encoding of Dynamical Systems Through Local Approximations. , 2018, , .		0
36	Generalized Score Functions for Causal Discovery. , 2018, 2018, 1551-1560.		29

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37	Prediction of Glucose Tolerance without an Oral Glucose Tolerance Test. <i>Frontiers in Endocrinology</i> , 2018, 9, 82.	1.5	13
38	Control of Musculoskeletal Systems Using Learned Dynamics Models. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 3161-3168.	3.3	11
39	Learning with Kernels. , 2018, , .		1,419
40	Learning Theory and Approximation. <i>Oberwolfach Reports</i> , 2017, 13, 1875-1941.	0.0	1
41	Anticipatory action selection for human-robot table tennis. <i>Artificial Intelligence</i> , 2017, 247, 399-414.	3.9	25
42	Distilling Information Reliability and Source Trustworthiness from Digital Traces. , 2017, , .		11
43	DiSMEC. , 2017, , .		102
44	easyGWAS: A Cloud-Based Platform for Comparing the Results of Genome-Wide Association Studies. <i>Plant Cell</i> , 2017, 29, 5-19.	3.1	98
45	Task-induced frequency modulation features for brain-computer interfacing. <i>Journal of Neural Engineering</i> , 2017, 14, 056015.	1.8	7
46	A Novel Unsupervised Segmentation Approach Quantifies Tumor Tissue Populations Using Multiparametric MRI: First Results with Histological Validation. <i>Molecular Imaging and Biology</i> , 2017, 19, 391-397.	1.3	16
47	Kernel Mean Embedding of Distributions: A Review and Beyond. <i>Foundations and Trends in Machine Learning</i> , 2017, 10, 1-141.	46.6	167
48	Spectral Clustering Predicts Tumor Tissue Heterogeneity Using Dynamic 18F-FDG PET: A Complement to the Standard Compartmental Modeling Approach. <i>Journal of Nuclear Medicine</i> , 2017, 58, 651-657.	2.8	9
49	BundleMAP: Anatomically localized classification, regression, and hypothesis testing in diffusion MRI. <i>Pattern Recognition</i> , 2017, 63, 593-600.	5.1	15
50	Discovering Causal Signals in Images. , 2017, , .		83
51	EnhanceNet: Single Image Super-Resolution Through Automated Texture Synthesis. , 2017, , .		646
52	Personalized brain-computer interface models for motor rehabilitation. , 2017, , .		5
53	Flexible Spatio-Temporal Networks for Video Prediction. , 2017, , .		54
54	Frequency peak features for low-channel classification in motor imagery paradigms. , 2017, , .		0

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55	Learning Blind Motion Deblurring. , 2017, , .		87
56	Online Video Deblurring via Dynamic Temporal Blending Network. , 2017, , .		95
57	Behind Distribution Shift: Mining Driving Forces of Changes and Causal Arrows. , 2017, 2017, 913-918.		12
58	Absence of EEG correlates of self-referential processing depth in ALS. PLoS ONE, 2017, 12, e0180136.	1.1	10
59	End-to-End Learning for Image Burst Deblurring. Lecture Notes in Computer Science, 2017, , 35-51.	1.0	9
60	Causal Discovery from Nonstationary/Heterogeneous Data: Skeleton Estimation and Orientation Determination. , 2017, 2017, 1347-1353.		33
61	Causal Discovery from Temporally Aggregated Time Series. Uncertainty in artificial intelligence : proceedings of the ... conference., 2017, 2017, .	0.9	3
62	TerseSVM : A Scalable Approach for Learning Compact Models in Large-scale Classification. , 2016, , .		4
63	Recovery of non-linear cause-effect relationships from linearly mixed neuroimaging data. , 2016, , .		2
64	A Causal, Data-driven Approach to Modeling the Kepler Data. Publications of the Astronomical Society of the Pacific, 2016, 128, 094503.	1.0	44
65	Modeling confounding by half-sibling regression. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7391-7398.	3.3	38
66	Preface to the ACM TIST Special Issue on Causal Discovery and Inference. ACM Transactions on Intelligent Systems and Technology, 2016, 7, 1-3.	2.9	2
67	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. Astronomical Journal, 2016, 152, 206.	1.9	96
68	Using probabilistic movement primitives for striking movements. , 2016, , .		18
69	Jointly learning trajectory generation and hitting point prediction in robot table tennis. , 2016, , .		36
70	Depth Estimation Through a Generative Model of Light Field Synthesis. Lecture Notes in Computer Science, 2016, , 426-438.	1.0	4
71	A cognitive brain-computer interface for patients with amyotrophic lateral sclerosis. Progress in Brain Research, 2016, 228, 221-239.	0.9	9
72	Self-regulation of brain rhythms in the precuneus: a novel BCI paradigm for patients with ALS. Journal of Neural Engineering, 2016, 13, 066021.	1.8	22

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73	Algorithmic independence of initial condition and dynamical law in thermodynamics and causal inference. <i>New Journal of Physics</i> , 2016, 18, 093052.	1.2	19
74	Approximate dual control maintaining the value of information with an application to building control. , 2016, , .		0
75	Transfer Learning in Brain-Computer Interfaces AbstractuFFFDThe performance of brain-computer interfaces (BCIs) improves with the amount of avail. <i>IEEE Computational Intelligence Magazine</i> , 2016, 11, 20-31.	3.4	297
76	Learning to Deblur. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 1439-1451.	9.7	409
77	Influence Estimation and Maximization in Continuous-Time Diffusion Networks. <i>ACM Transactions on Information Systems</i> , 2016, 34, 1-33.	3.8	61
78	On Estimation of Functional Causal Models. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2016, 7, 1-22.	2.9	96
79	Identification of causal relations in neuroimaging data with latent confounders: An instrumental variable approach. <i>NeuroImage</i> , 2016, 125, 825-833.	2.1	30
80	Gaussian Process-Based Predictive Control for Periodic Error Correction. <i>IEEE Transactions on Control Systems Technology</i> , 2016, 24, 110-121.	3.2	70
81	Learning optimal striking points for a ping-pong playing robot. , 2015, , .		16
82	Computing functions of random variables via reproducing kernel Hilbert space representations. <i>Statistics and Computing</i> , 2015, 25, 755-766.	0.8	18
83	Blind multirigid retrospective motion correction of MR images. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1457-1468.	1.9	28
84	Self-Calibration of Optical Lenses. , 2015, , .		5
85	Towards cognitive brain-computer interfaces for patients with amyotrophic lateral sclerosis. , 2015, , .		1
86	Brain-computer interfacing in amyotrophic lateral sclerosis: Implications of a resting-state EEG analysis. , 2015, 2015, 6979-82.		9
87	Identification of the Default Mode Network with electroencephalography. , 2015, 2015, 7566-9.		4
88	A Cognitive Brain-Computer Interface for Patients with Amyotrophic Lateral Sclerosis. , 2015, , .		1
89	Learning to see and act. <i>Nature</i> , 2015, 518, 486-487.	13.7	40
90	Causal interpretation rules for encoding and decoding models in neuroimaging. <i>NeuroImage</i> , 2015, 110, 48-59.	2.1	84

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91	Crowdsourced analysis of clinical trial data to predict amyotrophic lateral sclerosis progression. Nature Biotechnology, 2015, 33, 51-57.	9.4	178
92	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THE K2 DATA. Astrophysical Journal, 2015, 806, 215.	1.6	123
93	Towards denoising XMCD movies of fast magnetization dynamics using extended Kalman filter. Ultramicroscopy, 2015, 148, 115-122.	0.8	2
94	Justifying Information-Geometric Causal Inference. , 2015, , 253-265.		23
95	Retrospective Motion Correction of Magnitude-Input MR Images. Lecture Notes in Computer Science, 2015, , 3-12.	1.0	2
96	Shifts of Gamma Phase across Primary Visual Cortical Sites Reflect Dynamic Stimulus-Modulated Information Transfer. PLoS Biology, 2015, 13, e1002257.	2.6	95
97	Epidural electrocorticography for monitoring of arousal in locked-in state. Frontiers in Human Neuroscience, 2014, 8, 861.	1.0	8
98	A brain-computer interface based on self-regulation of gamma-oscillations in the superior parietal cortex. Journal of Neural Engineering, 2014, 11, 056015.	1.8	28
99	Assessing attention and cognitive function in completely locked-in state with event-related brain potentials and epidural electrocorticography. Journal of Neural Engineering, 2014, 11, 026006.	1.8	27
100	Causal Discovery via Reproducing Kernel Hilbert Space Embeddings. Neural Computation, 2014, 26, 1484-1517.	1.3	23
101	A few extreme events dominate global interannual variability in gross primary production. Environmental Research Letters, 2014, 9, 035001.	2.2	194
102	Uncovering the structure and temporal dynamics of information propagation. Network Science, 2014, 2, 26-65.	0.8	150
103	Mask-Specific Inpainting with Deep Neural Networks. Lecture Notes in Computer Science, 2014, , 523-534.	1.0	92
104	Learning strategies in table tennis using inverse reinforcement learning. Biological Cybernetics, 2014, 108, 603-619.	0.6	42
105	Seeing the Arrow of Time. , 2014, , .		50
106	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.	2.7	39
107	Causal and anti-causal learning in pattern recognition for neuroimaging. , 2014, , .		13
108	Predicting motor learning performance from Electroencephalographic data. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 24.	2.4	19

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109	Decoding index finger position from EEG using random forests. , 2014, , .		4
110	Structure and dynamics of information pathways in online media. , 2013, , .		161
111	Nonparametric dynamics estimation for time periodic systems. , 2013, , .		10
112	MR-Based PET Attenuation Correction for PET/MR Imaging. Seminars in Nuclear Medicine, 2013, 43, 45-59.	2.5	138
113	How to Test the Quality of Reconstructed Sources in Independent Component Analysis (ICA) of EEG/MEG Data. , 2013, , .		4
114	MR-Based Attenuation Correction Methods for Improved PET Quantification in Lesions Within Bone and Susceptibility Artifact Regions. Journal of Nuclear Medicine, 2013, 54, 1768-1774.	2.8	50
115	Probabilistic movement modeling for intention inference in human-robot interaction. International Journal of Robotics Research, 2013, 32, 841-858.	5.8	120
116	Improving alpha matting and motion blurred foreground estimation. , 2013, , .		8
117	HiFIVE: A Hilbert Space Embedding of Fiber Variability Estimates for Uncertainty Modeling and Visualization. Computer Graphics Forum, 2013, 32, 121-130.	1.8	17
118	On Estimation of Functional Causal Models: Post-Nonlinear Causal Model as an Example. , 2013, , .		3
119	On a Link Between Kernel Mean Maps and Fraunhofer Diffraction, with an Application to Super-Resolution Beyond the Diffraction Limit. , 2013, , .		2
120	A Machine Learning Approach for Non-blind Image Deconvolution. , 2013, , .		208
121	Quantifying causal influences. Annals of Statistics, 2013, 41, .	1.4	129
122	Blind retrospective motion correction of MR images. Magnetic Resonance in Medicine, 2013, 70, 1608-1618.	1.9	65
123	Fragmentation of Slow Wave Sleep after Onset of Complete Locked-In State. Journal of Clinical Sleep Medicine, 2013, 09, 951-953.	1.4	22
124	A Review of Performance Variations in SMR-Based Brain-Computer Interfaces (BCIs). Springer Briefs in Electrical and Computer Engineering, 2013, , 39-51.	0.3	32
125	Semi-supervised Learning in Causal and Anticausal Settings. , 2013, , 129-141.		7
126	On the Relations and Differences Between Popper Dimension, Exclusion Dimension and VC-Dimension. , 2013, , 53-57.		1

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127	An online brain-computer interface based on shifting attention to concurrent streams of auditory stimuli. <i>Journal of Neural Engineering</i> , 2012, 9, 026011.	1.8	82
128	A brain-robot interface for studying motor learning after stroke. , 2012, , .		13
129	A blind deconvolution approach for pseudo CT prediction from MR image pairs. , 2012, , .		0
130	GLIDE: GPU-Based Linear Regression for Detection of Epistasis. <i>Human Heredity</i> , 2012, 73, 220-236.	0.4	32
131	On the empirical estimation of integral probability metrics. <i>Electronic Journal of Statistics</i> , 2012, 6, .	0.4	76
132	High gamma-power predicts performance in sensorimotor-rhythm brain-computer interfaces. <i>Journal of Neural Engineering</i> , 2012, 9, 046001.	1.8	68
133	Information-geometric approach to inferring causal directions. <i>Artificial Intelligence</i> , 2012, 182-183, 1-31.	3.9	146
134	Blind Correction of Optical Aberrations. <i>Lecture Notes in Computer Science</i> , 2012, , 187-200.	1.0	18
135	Recording and Playback of Camera Shake: Benchmarking Blind Deconvolution with a Real-World Database. <i>Lecture Notes in Computer Science</i> , 2012, , 27-40.	1.0	219
136	Removing noise from astronomical images using a pixel-specific noise model. , 2011, , .		8
137	A Blind Deconvolution Approach for Improving the Resolution of Cryo-EM Density Maps. <i>Journal of Computational Biology</i> , 2011, 18, 335-346.	0.8	10
138	MRI-Based Attenuation Correction for Whole-Body PET/MRI: Quantitative Evaluation of Segmentation- and Atlas-Based Methods. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1392-1399.	2.8	255
139	Causal influence of gamma oscillations on the sensorimotor rhythm. <i>NeuroImage</i> , 2011, 56, 837-842.	2.1	101
140	Handbook of Statistical Bioinformatics. , 2011, , .		20
141	Transition from the locked in to the completely locked-in state: A physiological analysis. <i>Clinical Neurophysiology</i> , 2011, 122, 925-933.	0.7	163
142	Causal Inference on Discrete Data Using Additive Noise Models. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011, 33, 2436-2450.	9.7	97
143	Statistical Learning Theory: Models, Concepts, and Results. <i>Handbook of the History of Logic</i> , 2011, , 651-706.	0.5	63
144	Empirical Inference. <i>International Journal of Materials Research</i> , 2011, 102, 809-814.	0.1	1

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145	EPIBLASTER-fast exhaustive two-locus epistasis detection strategy using graphical processing units. European Journal of Human Genetics, 2011, 19, 465-471.	1.4	74
146	Multi-way set enumeration in weight tensors. Machine Learning, 2011, 82, 123-155.	3.4	15
147	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.	3.3	35
148	Two-locus association mapping in subquadratic time. , 2011, , .		8
149	Non-stationary correction of optical aberrations. , 2011, , .		54
150	Learning inverse kinematics with structured prediction. , 2011, , .		33
151	Fast removal of non-uniform camera shake. , 2011, , .		229
152	Learning anticipation policies for robot table tennis. , 2011, , .		12
153	Gravitational Lensing Accuracy Testing 2010 (GREAT10) Challenge Handbook. Annals of Applied Statistics, 2011, 5, .	0.5	36
154	A Graphical Model Framework for Decoding in the Visual ERP-Based BCI Speller. Neural Computation, 2011, 23, 160-182.	1.3	5
155	Causal relationships between frequency bands of extracellular signals in visual cortex revealed by an information theoretic analysis. Journal of Computational Neuroscience, 2010, 29, 547-566.	0.6	57
156	Causal Inference Using the Algorithmic Markov Condition. IEEE Transactions on Information Theory, 2010, 56, 5168-5194.	1.5	114
157	Remote Sensing Feature Selection by Kernel Dependence Measures. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 587-591.	1.4	75
158	Optimization of k -space trajectories for compressed sensing by Bayesian experimental design. Magnetic Resonance in Medicine, 2010, 63, 116-126.	1.9	107
159	Multiframe blind deconvolution, super-resolution, and saturation correction via incremental EM. , 2010, , .		28
160	Non-parametric estimation of integral probability metrics. , 2010, , .		9
161	Movement templates for learning of hitting and batting. , 2010, , .		101
162	Efficient filter flow for space-variant multiframe blind deconvolution. , 2010, , .		151

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163	Nonparametric Regression between General Riemannian Manifolds. SIAM Journal on Imaging Sciences, 2010, 3, 527-563.	1.3	28
164	The Influence of the Image Basis on Modeling and Steganalysis Performance. Lecture Notes in Computer Science, 2010, , 133-144.	1.0	3
165	A New Algorithm for Improving the Resolution of Cryo-EM Density Maps. Lecture Notes in Computer Science, 2010, , 174-188.	1.0	1
166	Non-linear System Identification: Visual Saliency Inferred from Eye-Movement Data. Journal of Vision, 2010, 9, 32-32.	0.1	2
167	Markerless Tracking of Dynamic 3D Scans of Faces. , 2010, , 255-276.		0
168	Graphical models for decoding in BCI visual speller systems. , 2009, , .		1
169	Learning similarity measure for multi-modal 3D image registration. , 2009, , .		9
170	Implicit Wiener series analysis of epileptic seizure recordings. , 2009, 2009, 5304-7.		3
171	A new non-monotonic algorithm for PET image reconstruction. , 2009, , .		0
172	Kernel Methods for Detecting the Direction of Time Series. Studies in Classification, Data Analysis, and Knowledge Organization, 2009, , 57-66.	0.1	2
173	Detecting the direction of causal time series. , 2009, , .		18
174	Regression by dependence minimization and its application to causal inference in additive noise models. , 2009, , .		41
175	Center-surround patterns emerge as optimal predictors for human saccade targets. Journal of Vision, 2009, 9, 7-7.	0.1	127
176	Falsificationism and Statistical Learning Theory: Comparing the Popper and Vapnik-Chervonenkis Dimensions. Journal for General Philosophy of Science, 2009, 40, 51-58.	0.7	33
177	Towards quantitative PET/MRI: a review of MR-based attenuation correction techniques. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 93-104.	3.3	314
178	Protein functional class prediction with a combined graph. Expert Systems With Applications, 2009, 36, 3284-3292.	4.4	23
179	Prototype Classification: Insights from Machine Learning. Neural Computation, 2009, 21, 272-300.	1.3	17
180	Does Cognitive Science Need Kernels?. Trends in Cognitive Sciences, 2009, 13, 381-388.	4.0	52

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181	Denoising photographs using dark frames optimized by quadratic programming. , 2009, , .		1
182	Sparse online model learning for robot control with support vector regression. , 2009, , .		20
183	Markerless 3D Face Tracking. Lecture Notes in Computer Science, 2009, , 41-50.	1.0	7
184	Generalized Clustering via Kernel Embeddings. Lecture Notes in Computer Science, 2009, , 144-152.	1.0	23
185	Prototype classification: insights from machine learning. Neural Computation, 2009, 21, 272-300.	1.3	2
186	Contour-propagation algorithms for semi-automated reconstruction of neural processes. Journal of Neuroscience Methods, 2008, 167, 349-357.	1.3	61
187	Similarity, kernels, and the triangle inequality. Journal of Mathematical Psychology, 2008, 52, 297-303.	1.0	28
188	Kernels, regularization and differential equations. Pattern Recognition, 2008, 41, 3271-3286.	5.1	31
189	Generalization and similarity in exemplar models of categorization: Insights from machine learning. Psychonomic Bulletin and Review, 2008, 15, 256-271.	1.4	43
190	Manifold-valued Thin-Plate Splines with Applications in Computer Graphics. Computer Graphics Forum, 2008, 27, 437-448.	1.8	3
191	Causal reasoning by evaluating the complexity of conditional densities with kernel methods. Neurocomputing, 2008, 71, 1248-1256.	3.5	11
192	At-TAX: a whole genome tiling array resource for developmental expression analysis and transcript identification in Arabidopsis thaliana. Genome Biology, 2008, 9, R112.	13.9	91
193	Voluntary brain regulation and communication with electrocorticogram signals. Epilepsy and Behavior, 2008, 13, 300-306.	0.9	41
194	MRI-Based Attenuation Correction for PET/MRI: A Novel Approach Combining Pattern Recognition and Atlas Registration. Journal of Nuclear Medicine, 2008, 49, 1875-1883.	2.8	430
195	Automatic 3D face reconstruction from single images or video. , 2008, , .		29
196	Tailoring density estimation via reproducing kernel moment matching. , 2008, , .		20
197	Sparse multiscale gaussian process regression. , 2008, , .		17
198	Kernel methods in machine learning. Annals of Statistics, 2008, 36, .	1.4	1,313

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199	Automatic Image Colorization Via Multimodal Predictions. Lecture Notes in Computer Science, 2008, , 126-139.	1.0	138
200	Support Vector Machines and Kernels for Computational Biology. PLoS Computational Biology, 2008, 4, e1000173.	1.5	515
201	Covariate Shift by Kernel Mean Matching. , 2008, , 131-160.		98
202	A kernel-based causal learning algorithm. , 2007, , .		24
203	Local learning projections. , 2007, , .		33
204	Improving the Caenorhabditis elegans Genome Annotation Using Machine Learning. PLoS Computational Biology, 2007, 3, e20.	1.5	57
205	A Hilbert Space Embedding for Distributions. Lecture Notes in Computer Science, 2007, , 13-31.	1.0	318
206	Feature Selection for Troubleshooting in Complex Assembly Lines. IEEE Transactions on Automation Science and Engineering, 2007, 4, 465-469.	3.4	11
207	Common Sequence Polymorphisms Shaping Genetic Diversity in <i>Arabidopsis thaliana</i> . Science, 2007, 317, 338-342.	6.0	689
208	A tutorial on kernel methods for categorization. Journal of Mathematical Psychology, 2007, 51, 343-358.	1.0	59
209	Real-Time Fetal Heart Monitoring in Biomagnetic Measurements Using Adaptive Real-Time ICA. IEEE Transactions on Biomedical Engineering, 2007, 54, 1867-1874.	2.5	14
210	Towards Machine Learning of Motor Skills. Informatik Aktuell, 2007, , 138-144.	0.4	9
211	How to Find Interesting Locations in Video: A Spatiotemporal Interest Point Detector Learned from Human Eye Movements. , 2007, , 405-414.		30
212	A Hilbert Space Embedding for Distributions. , 2007, , 40-41.		31
213	On the Pre-Image Problem in Kernel Methods. , 2007, , 284-302.		2
214	A Unifying View of Wiener and Volterra Theory and Polynomial Kernel Regression. Neural Computation, 2006, 18, 3097-3118.	1.3	104
215	Classifying Event-Related Desynchronization in EEG, ECoG and MEG Signals. Lecture Notes in Computer Science, 2006, , 404-413.	1.0	32
216	MACHINE LEARNING METHODS FOR ESTIMATING OPERATOR EQUATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1192-1197.	0.4	0

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