

Shin Ishii

List of Publications by Year in descending order

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230
papers

6,085
citations

147801

31
h-index

85541

71
g-index

240
all docs

240
docs citations

240
times ranked

6802
citing authors

#	ARTICLE	IF	CITATIONS
1	Virtual Adversarial Training: A Regularization Method for Supervised and Semi-Supervised Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1979-1993.	13.9	1,233
2	A Bayesian missing value estimation method for gene expression profile data. Bioinformatics, 2003, 19, 2088-2096.	4.1	607
3	A critical time window for dopamine actions on the structural plasticity of dendritic spines. Science, 2014, 345, 1616-1620.	12.6	478
4	On-line EM Algorithm for the Normalized Gaussian Network. Neural Computation, 2000, 12, 407-432.	2.2	221
5	Control of exploitationâ€“exploration meta-parameter in reinforcement learning. Neural Networks, 2002, 15, 665-687.	5.9	220
6	Resolution of Uncertainty in Prefrontal Cortex. Neuron, 2006, 50, 781-789.	8.1	174
7	Expression profiling using a tumor-specific cDNA microarray predicts the prognosis of intermediate risk neuroblastomas. Cancer Cell, 2005, 7, 337-350.	16.8	144
8	Learning a common dictionary for subject-transfer decoding with resting calibration. NeuroImage, 2015, 111, 167-178.	4.2	139
9	Dopamine D2 receptors in discrimination learning and spine enlargement. Nature, 2020, 579, 555-560.	27.8	122
10	Molecular-based prediction of early recurrence in hepatocellular carcinoma. Journal of Hepatology, 2004, 41, 284-291.	3.7	117
11	Reinforcement learning for a biped robot based on a CPG-actor-critic method. Neural Networks, 2007, 20, 723-735.	5.9	103
12	Spiking network simulation code for petascale computers. Frontiers in Neuroinformatics, 2014, 8, 78.	2.5	87
13	A diffusionâ€“based neurite lengthâ€“sensing mechanism involved in neuronal symmetry breaking. Molecular Systems Biology, 2010, 6, 394.	7.2	73
14	An unsupervised EEG decoding system for human emotion recognition. Neural Networks, 2019, 116, 257-268.	5.9	70
15	An occlusion-aware particle filter tracker to handle complex and persistent occlusions. Computer Vision and Image Understanding, 2016, 150, 81-94.	4.7	62
16	Boosting perceptual learning by fake feedback. Vision Research, 2009, 49, 2574-2585.	1.4	61
17	Identification of expressed genes linked to malignancy of human colorectal carcinoma by parametric clustering of quantitative expression data. Genome Biology, 2003, 4, R21.	9.6	59
18	Decoding spatial attention by using cortical currents estimated from electroencephalography with near-infrared spectroscopy prior information. NeuroImage, 2014, 90, 128-139.	4.2	52

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19	Molecular Prediction of Response to 5-Fluorouracil and Interferon- β Combination Chemotherapy in Advanced Hepatocellular Carcinoma. <i>Clinical Cancer Research</i> , 2004, 10, 6029-6038.	7.0	51
20	Supercomputers Ready for Use as Discovery Machines for Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 26.	2.5	50
21	Dynamic Regulation of Myosin Light Chain Phosphorylation by Rho-kinase. <i>PLoS ONE</i> , 2012, 7, e39269.	2.5	48
22	Semi-supervised deep learning of brain tissue segmentation. <i>Neural Networks</i> , 2019, 116, 25-34.	5.9	48
23	Superresolution with compound Markov random fields via the variational EM algorithm. <i>Neural Networks</i> , 2009, 22, 1025-1034.	5.9	46
24	Semaphorin 3A induces CaV2.3 channel-dependent conversion of axons to dendrites. <i>Nature Cell Biology</i> , 2011, 13, 676-685.	10.3	46
25	A Molecular Model for Axon Guidance Based on Cross Talk between Rho GTPases. <i>Biophysical Journal</i> , 2005, 89, 812-822.	0.5	45
26	Mu-net: Multi-scale U-net for two-photon microscopy image denoising and restoration. <i>Neural Networks</i> , 2020, 125, 92-103.	5.9	45
27	Distinct predictive performance of Rac1 and Cdc42 in cell migration. <i>Scientific Reports</i> , 2015, 5, 17527.	3.3	44
28	Molecular features of non-B, non-C hepatocellular carcinoma: a PCR-array gene expression profiling study. <i>Journal of Hepatology</i> , 2003, 39, 1004-1012.	3.7	42
29	Parameter estimation for von Mises-Fisher distributions. <i>Computational Statistics</i> , 2007, 22, 145-157.	1.5	42
30	The period of the somite segmentation clock is sensitive to Notch activity. <i>Molecular Biology of the Cell</i> , 2011, 22, 3541-3549.	2.1	40
31	Associative memory based on parametrically coupled chaotic elements. <i>Physica D: Nonlinear Phenomena</i> , 1998, 121, 344-366.	2.8	37
32	Prediction of recurrence in advanced gastric cancer patients after curative resection by gene expression profiling. <i>International Journal of Cancer</i> , 2005, 114, 963-968.	5.1	36
33	Reconstruction of Spatial Thermal Gradient Encoded in Thermosensory Neuron AFD in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2016, 36, 2571-2581.	3.6	35
34	Constrained Deep Q-Learning Gradually Approaching Ordinary Q-Learning. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 103.	2.8	35
35	Local signaling with molecular diffusion as a decoder of Ca ²⁺ signals in synaptic plasticity. <i>Molecular Systems Biology</i> , 2005, 1, 2005.0027.	7.2	32
36	Multi-Cellular Logistics of Collective Cell Migration. <i>PLoS ONE</i> , 2011, 6, e27950.	2.5	31

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37	Acrobot control by learning the switching of multiple controllers. <i>Artificial Life and Robotics</i> , 2005, 9, 67-71.	1.2	30
38	EEGFuseNet: Hybrid Unsupervised Deep Feature Characterization and Fusion for High-Dimensional EEG With an Application to Emotion Recognition. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1913-1925.	4.9	28
39	InÂVitro Reconstitution of a CaMKII Memory Switch by an NMDA Receptor-Derived Peptide. <i>Biophysical Journal</i> , 2014, 106, 1414-1420.	0.5	27
40	Subtle modulation of ongoing calcium dynamics in astrocytic microdomains by sensory inputs. <i>Physiological Reports</i> , 2015, 3, e12454.	1.7	27
41	Chaotic Potts Spin Model for Combinatorial Optimization Problems. <i>Neural Networks</i> , 1997, 10, 941-963.	5.9	26
42	Using gene expression profiling to identify a prognostic molecular spectrum in gliomas. <i>Cancer Science</i> , 2009, 100, 165-172.	3.9	26
43	A State-Space Modeling Approach for Localization of Focal Current Sources From MEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1561-1571.	4.2	26
44	A waypoint-based framework in brain-controlled smart home environments: Brain interfaces, domotics, and robotics integration. , 2013, , .		26
45	UNI-EM: An Environment for Deep Neural Network-Based Automated Segmentation of Neuronal Electron Microscopic Images. <i>Scientific Reports</i> , 2019, 9, 19413.	3.3	25
46	Reinforcement learning for quasi-passive dynamic walking of an unstable biped robot. <i>Robotics and Autonomous Systems</i> , 2006, 54, 982-988.	5.1	24
47	Cellular-resolution gene expression profiling in the neonatal marmoset brain reveals dynamic species- and region-specific differences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
48	Reinforcement Learning for Biped Locomotion. <i>Lecture Notes in Computer Science</i> , 2002, , 777-782.	1.3	24
49	A review of DNA microarray analysis of human neuroblastomas. <i>Cancer Letters</i> , 2005, 228, 5-11.	7.2	23
50	Quantification of Local Morphodynamics and Local GTPase Activity by Edge Evolution Tracking. <i>PLoS Computational Biology</i> , 2008, 4, e1000223.	3.2	23
51	Uncertainty-Dependent Extinction of Fear Memory in an Amygdala-mPFC Neural Circuit Model. <i>PLoS Computational Biology</i> , 2016, 12, e1005099.	3.2	23
52	A multi-class predictor based on a probabilistic model: application to gene expression profiling-based diagnosis of thyroid tumors. <i>BMC Genomics</i> , 2006, 7, 190.	2.8	22
53	Stochastic control of spontaneous signal generation for gradient sensing in chemotaxis. <i>Journal of Theoretical Biology</i> , 2008, 255, 259-266.	1.7	22
54	Multi-Sensor Based State Prediction for Personal Mobility Vehicles. <i>PLoS ONE</i> , 2016, 11, e0162593.	2.5	21

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55	Efficient Diverse Ensemble for Discriminative Co-tracking. , 2018, , .		21
56	Identification of animal behavioral strategies by inverse reinforcement learning. PLoS Computational Biology, 2018, 14, e1006122.	3.2	21
57	Geometry and the Organizational Principle of Spine Synapses along a Dendrite. ENeuro, 2020, 7, ENEURO.0248-20.2020.	1.9	19
58	Gaussian Process Approach to Spiking Neurons for Inhomogeneous Poisson Inputs. Neural Computation, 2001, 13, 2763-2797.	2.2	18
59	A Reinforcement Learning Scheme for a Partially-Observable Multi-Agent Game. Machine Learning, 2005, 59, 31-54.	5.4	18
60	Markov and Semi-Markov Switching of Source Appearances for Nonstationary Independent Component Analysis. IEEE Transactions on Neural Networks, 2007, 18, 1326-1342.	4.2	18
61	Optimal Aggregation of Binary Classifiers for Multiclass Cancer Diagnosis Using Gene Expression Profiles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 333-343.	3.0	18
62	Hierarchical rule switching in prefrontal cortex. NeuroImage, 2010, 50, 314-322.	4.2	18
63	Flexible Search for Single-Axon Morphology during Neuronal Spontaneous Polarization. PLoS ONE, 2011, 6, e19034.	2.5	18
64	Application of multivariate autoregressive modeling for analyzing the interaction between EEG and EMG in humans. International Congress Series, 2004, 1270, 249-253.	0.2	17
65	High-speed Multineuron Calcium Imaging Using Nipkow-type Confocal Microscopy. Current Protocols in Neuroscience, 2011, 57, Unit 2.14.	2.6	17
66	Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. PLoS Computational Biology, 2020, 16, e1008078.	3.2	17
67	Bayesian representation learning in the cortex regulated by acetylcholine. Neural Networks, 2004, 17, 1391-1400.	5.9	16
68	Expanding histogram of colors with gridding to improve tracking accuracy. , 2015, , .		16
69	PAT—Probabilistic Axon Tracking for Densely Labeled Neurons in Large 3-D Micrographs. IEEE Transactions on Medical Imaging, 2019, 38, 69-78.	8.9	16
70	Optimization and validation of diffusion MRI-based fiber tracking with neural tracer data as a reference. Scientific Reports, 2020, 10, 21285.	3.3	15
71	Model-based reinforcement learning: a computational model and an fMRI study. Neurocomputing, 2005, 63, 253-269.	5.9	14
72	Switching particle filters for efficient visual tracking. Robotics and Autonomous Systems, 2006, 54, 873-884.	5.1	14

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73	Prediction of peritoneal metastasis in advanced gastric cancer by gene expression profiling of the primary site. <i>European Journal of Cancer</i> , 2006, 42, 1897-1903.	2.8	13
74	Incremental State Aggregation for Value Function Estimation in Reinforcement Learning. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1407-1416.	5.0	13
75	EEG-based personal identification method using unsupervised feature extraction and its robustness against intra-subject variability. <i>Journal of Neural Engineering</i> , 2020, 17, 026007.	3.5	13
76	Doubly constrained network for combinatorial optimization. <i>Neurocomputing</i> , 2002, 43, 239-257.	5.9	12
77	Fast and Stable Learning of Quasi-Passive Dynamic Walking by an Unstable Biped Robot based on Off-Policy Natural Actor-Critic. , 2006, , .		12
78	The State-of-the-Art in Handling Occlusions for Visual Object Tracking. <i>IEICE Transactions on Information and Systems</i> , 2015, E98.D, 1260-1274.	0.7	12
79	Model-Based Reinforcement Learning for Partially Observable Games with Sampling-Based State Estimation. <i>Neural Computation</i> , 2007, 19, 3051-3087.	2.2	11
80	A multiphysical model of cell migration integrating reaction-diffusion, membrane and cytoskeleton. <i>Neural Networks</i> , 2011, 24, 979-989.	5.9	11
81	Bifurcations in mean-field-theory annealing. <i>Physical Review E</i> , 1996, 53, 5153-5168.	2.1	10
82	Logical design of oral glucose ingestion pattern minimizing blood glucose in humans. <i>Npj Systems Biology and Applications</i> , 2019, 5, 31.	3.0	10
83	Noise-resistant developmental reproducibility in vertebrate somite formation. <i>PLoS Computational Biology</i> , 2019, 15, e1006579.	3.2	10
84	The NanoZoomer artificial intelligence connectomics pipeline for tracer injection studies of the marmoset brain. <i>Brain Structure and Function</i> , 2020, 225, 1225-1243.	2.3	10
85	Generative and discriminative model-based approaches to microscopic image restoration and segmentation. <i>Microscopy (Oxford, England)</i> , 2020, 69, 79-91.	1.5	10
86	A behavioural correlate of the synaptic eligibility trace in the nucleus accumbens. <i>Scientific Reports</i> , 2022, 12, 1921.	3.3	10
87	Nonlinear and Noisy Extension of Independent Component Analysis: Theory and Its Application to a Pitch Sensation Model. <i>Neural Computation</i> , 2005, 17, 115-144.	2.2	9
88	Maximum a posteriori X-ray computed tomography using graph cuts. <i>Journal of Physics: Conference Series</i> , 2010, 233, 012023.	0.4	9
89	Sparse Bayesian Learning of Filters for Efficient Image Expansion. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 1480-1490.	9.8	9
90	Efficient Monte Carlo Image Analysis for the Location of Vascular Entity. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 628-643.	8.9	9

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91	Binary classifiers ensemble based on Bregman divergence for multi-class classification. <i>Neurocomputing</i> , 2018, 273, 424-434.	5.9	9
92	Fast Approximation Method for Gaussian Process Regression Using Hash Function for Non-uniformly Distributed Data. <i>Lecture Notes in Computer Science</i> , 2013, , 17-25.	1.3	9
93	Multi-Scale Clustering for Gene Expression Profiling Data. , 0, , .		8
94	Virtual Force/Tactile Sensors for Interactive Machines Using the User's Biological Signals. <i>Advanced Robotics</i> , 2008, 22, 893-911.	1.8	8
95	A Statistical Method of Identifying Interactions in Neuron-Cellia Systems Based on Functional Multicell Ca ²⁺ Imaging. <i>PLoS Computational Biology</i> , 2014, 10, e1003949.	3.2	8
96	Modeling of human velocity habituation for a robotic wheelchair. , 2014, , .		8
97	Brain-machine interfaces for assistive smart homes: A feasibility study with wearable near-infrared spectroscopy. , 2015, 2015, 1107-10.		8
98	Multi-phasic bi-directional chemotactic responses of the growth cone. <i>Scientific Reports</i> , 2016, 6, 36256.	3.3	8
99	Dynamic Exponential Family Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2009, , 452-462.	1.3	8
100	Inverse tissue mechanics of cell monolayer expansion. <i>PLoS Computational Biology</i> , 2018, 14, e1006029.	3.2	8
101	Adaptor-tagged competitive polymerase chain reaction: amplification bias and quantified gene expression levels. <i>Analytical Biochemistry</i> , 2005, 339, 15-28.	2.4	7
102	Hyperparameter Estimation in Bayesian Image Superresolution with a Compound Markov Random Field Prior. <i>IEEE International Workshop on Machine Learning for Signal Processing</i> , 2007, , .	0.0	7
103	Edge-Preserving Bayesian Image Superresolution Based on Compound Markov Random Fields. <i>Lecture Notes in Computer Science</i> , 2007, , 611-620.	1.3	7
104	Image Superresolution under Spatially Structured Noise. , 2007, , .		6
105	A Multiclass Classification Method Based on Decoding of Binary Classifiers. <i>Neural Computation</i> , 2009, 21, 2049-2081.	2.2	6
106	Bayesian image superresolution and hidden variable modeling. <i>Journal of Systems Science and Complexity</i> , 2010, 23, 116-136.	2.8	6
107	Ternary Bradley-Terry model-based decoding for multi-class classification and its extensions. <i>Machine Learning</i> , 2011, 85, 249-272.	5.4	6
108	Active discriminative tracking using collective memory. , 2017, , .		6

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109	Missing Value Estimation Using Mixture of PCAs. Lecture Notes in Computer Science, 2002, , 492-497.	1.3	6
110	A Computational Model of Afterimage Rotation in the Peripheral Drift Illusion Based on Retinal ON/OFF Responses. PLoS ONE, 2014, 9, e115464.	2.5	6
111	System Identification Based on Online Variational Bayes Method and Its Application to Reinforcement Learning. Lecture Notes in Computer Science, 2003, , 123-131.	1.3	6
112	$\hat{\mu}$ -Opt Neural Approaches to Quadratic Assignment Problems. Neural Computation, 2000, 12, 2209-2225.	2.2	5
113	Stochastic resonance with differential code in feedforward network with intra-layer random connections. Neural Networks, 2006, 19, 469-476.	5.9	5
114	Instrument Identification in Monophonic Music Using Spectral Information. , 2007, , .		5
115	Mathematical Modeling of Neuronal Polarization During Development. Progress in Molecular Biology and Translational Science, 2014, 123, 127-141.	1.7	5
116	Sparse and low-rank matrix regularization for learning time-varying Markov networks. Machine Learning, 2016, 105, 335-366.	5.4	5
117	Decoding the view expectation during learned maze navigation from human fronto-parietal network. Scientific Reports, 2016, 5, 17648.	3.3	5
118	System level analysis of motor-related neural activities in larval <i>Drosophila</i> . Journal of Neurogenetics, 2019, 33, 179-189.	1.4	5
119	The critical balance between dopamine D2 receptor and RGS for the sensitive detection of a transient decay in dopamine signal. PLoS Computational Biology, 2021, 17, e1009364.	3.2	5
120	Symbolic strings and spatial spectra. Physica D: Nonlinear Phenomena, 1999, 125, 142-154.	2.8	4
121	On-Line Learning Methods for Gaussian Processes. Lecture Notes in Computer Science, 2001, , 292-299.	1.3	4
122	A multi-agent reinforcement learning method for a partially-observable competitive game. , 2001, , .		4
123	Variational Bayes method for Mixture of Principal Component Analyzers. Systems and Computers in Japan, 2003, 34, 55-66.	0.2	4
124	Multiclass classification as a decoding problem. , 2007, , .		4
125	A semiparametric statistical approach to model-free policy evaluation. , 2008, , .		4
126	Visual attention model involving feature-based inhibition of return. Artificial Life and Robotics, 2010, 15, 129-132.	1.2	4

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127	Robust encoding of scene anticipation during human spatial navigation. <i>Scientific Reports</i> , 2016, 6, 37599.	3.3	4
128	Characterization of electroencephalography signals for estimating saliency features in videos. <i>Neural Networks</i> , 2018, 105, 52-64.	5.9	4
129	GABAergic inhibition reduces the impact of synaptic excitation on somatic excitation. <i>Neuroscience Research</i> , 2019, 146, 22-35.	1.9	4
130	Prior Hyperparameters in Bayesian PCA. <i>Lecture Notes in Computer Science</i> , 2003, , 271-279.	1.3	4
131	Individual Identification by Resting-State EEG Using Common Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2017, , 199-207.	1.3	4
132	Hidden Markov Model for Human Decision Process in a Partially Observable Environment. <i>Lecture Notes in Computer Science</i> , 2010, , 94-103.	1.3	4
133	Two New FRET Imaging Measures: Linearly Proportional to and Highly Contrasting the Fraction of Active Molecules. <i>PLoS ONE</i> , 2016, 11, e0164254.	2.5	4
134	Chaotic optimization method combined with coordinate transformation. <i>Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tj ETQq0 0 0 rgB0, Overlock 10 Tf 50</i>		
135	Balancing plasticity and stability of on-line learning based on hierarchical Bayesian adaptation of forgetting factors. <i>Neurocomputing</i> , 2006, 69, 1954-1961.	5.9	3
136	Ternary Bradley-Terry model-based decoding for multi-class classification. , 2008, , .		3
137	Structural Differences in Gray Matter between Glider Pilots and Non-Pilots. A Voxel-Based Morphometry Study. <i>Frontiers in Neurology</i> , 2014, 5, 248.	2.4	3
138	Data-Driven Probabilistic Occlusion Mask to Promote Visual Tracking. , 2016, , .		3
139	Model-based control of the temporal patterns of intracellular signaling <i><i>in silico</i></i> . <i>Biophysics and Physicobiology</i> , 2017, 14, 29-40.	1.0	3
140	Zero-shot fMRI decoding with three-dimensional registration based on diffusion tensor imaging. <i>Scientific Reports</i> , 2018, 8, 12342.	3.3	3
141	Computational Characteristics of the Striatal Dopamine System Described by Reinforcement Learning With Fast Generalization. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 66.	2.1	3
142	Off-Policy Natural Policy Gradient Method for a Biped Walking Using a CPG Controller. <i>Journal of Robotics and Mechatronics</i> , 2005, 17, 636-644.	1.0	3
143	Inverse Reinforcement Learning Based on Behaviors of a Learning Agent. <i>Lecture Notes in Computer Science</i> , 2015, , 724-732.	1.3	3
144	Tri-view two-photon microscopic image registration and deblurring with convolutional neural networks. <i>Neural Networks</i> , 2022, 152, 57-69.	5.9	3

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145	Application of reinforcement learning based on on-line EM algorithm to balancing of acrobat. Systems and Computers in Japan, 2001, 32, 12-20.	0.2	2
146	Semi-supervised discovery of differential genes. BMC Bioinformatics, 2006, 7, 414.	2.6	2
147	Bayesian X-ray computed tomography using material class knowledge. , 2010, , .		2
148	Bayesian Normalized Gaussian Network and Hierarchical Model Selection Method. Intelligent Automation and Soft Computing, 2011, 17, 71-94.	2.1	2
149	Multi-scale, multi-modal neural modeling and simulation. Neural Networks, 2011, 24, 917.	5.9	2
150	From laptops to supercomputers: a single highly scalable code base for spiking neuronal network simulations. BMC Neuroscience, 2013, 14, .	1.9	2
151	Robust discriminative tracking via query-by-bagging. , 2016, , .		2
152	Constructing a meta-tracker using Dropout to imitate the behavior of an arbitrary black-box tracker. Neural Networks, 2017, 87, 132-148.	5.9	2
153	Efficient asymmetric co-tracking using uncertainty sampling. , 2017, , .		2
154	Principal Sensitivity Analysis. Lecture Notes in Computer Science, 2015, , 621-632.	1.3	2
155	Reinforcement Learning for Cooperative Actions in a Partially Observable Multi-agent System. Lecture Notes in Computer Science, 2007, , 229-238.	1.3	2
156	Control of a Free-Falling Cat by Policy-Based Reinforcement Learning. Lecture Notes in Computer Science, 2012, , 116-123.	1.3	2
157	Visual Tracking Achieved by Adaptive Sampling from Hierarchical and Parallel Predictions. Lecture Notes in Computer Science, 2008, , 604-613.	1.3	2
158	Eliminating Spurious Memories in a Network of Chaotic Elements. Journal of Intelligent and Fuzzy Systems, 1997, 5, 69-83.	1.4	1
159	Self-organization of delay lines by spike-time-dependent learning. Neurocomputing, 2004, 61, 291-316.	5.9	1
160	A noisy nonlinear independent component analysis. , 0, , .		1
161	Model-based reinforcement learning for a multi-player card game with partial observability. , 0, , .		1
162	Part 4: Reinforcement learning: Machine learning and natural learning. New Generation Computing, 2006, 24, 325-350.	3.3	1

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163	A probabilistic decoding approach to multi-class classification. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
164	Convergence Analysis of the EM Algorithm and Joint Minimization of Free Energy. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	1
165	Estimation of the Source-Filter Model Using Temporal Dynamics. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
166	Adaptive control of a looper-like robot based on the CPG-actor-critic method. Artificial Life and Robotics, 2008, 12, 129-132.	1.2	1
167	Robust Model Selection for Classification of Microarrays. Cancer Informatics, 2009, 7, CIN.S2704.	1.9	1
168	Differential gene detection incorporating common expression patterns. Journal of Physics: Conference Series, 2009, 197, 012007.	0.4	1
169	Sparse and Low-Rank Estimation of Time-Varying Markov Networks with Alternating Direction Method of Multipliers. Lecture Notes in Computer Science, 2010, , 371-379.	1.3	1
170	Microscopic image restoration based on tensor factorization of rotated patches. Artificial Life and Robotics, 2013, 17, 417-425.	1.2	1
171	Empirical Bayesian significance measure of neuronal spike response. BMC Neuroscience, 2016, 17, 27.	1.9	1
172	Efficient Version-Space Reduction for Visual Tracking. , 2017, , .		1
173	Brain Dynamics Encoding from Visual Input during Free Viewing of Natural Videos. , 2019, , .		1
174	A Meta-Q-Learning Approach to Discriminative Correlation Filter based Visual Tracking. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	3.4	1
175	Optimal Sufficient Statistics for Parametric and Non-Parametric Multiple Simultaneous Hypothesis Testing. International Journal of Biostatistics, 2009, 5, .	0.7	1
176	Normalized Gaussian function network, Mixture of experts and EM algorithm.. The Brain & Neural Networks, 1999, 6, 30-40.	0.1	1
177	An Off-Policy Natural Policy Gradient Method for a Partial Observable Markov Decision Process. Lecture Notes in Computer Science, 2005, , 431-436.	1.3	1
178	ãf™ã,ã,è¶...è§ŁãfãöëšŽã±ãfçãf‡ãfªãf³ã,°. The Brain & Neural Networks, 2008, 15, 181-192.	0.1	1
179	An Additive Reinforcement Learning. Lecture Notes in Computer Science, 2009, , 608-617.	1.3	1
180	A Closed-Form Estimator of Fully Visible Boltzmann Machines. Lecture Notes in Computer Science, 2009, , 951-959.	1.3	1

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181	Optimal Online Learning Procedures for Model-Free Policy Evaluation. Lecture Notes in Computer Science, 2009, , 473-488.	1.3	1
182	A Unified Framework of Binary Classifiers Ensemble for Multi-class Classification. Lecture Notes in Computer Science, 2012, , 375-382.	1.3	1
183	Low-Dimensional Feature Representation for Instrument Identification. SICE Journal of Control Measurement and System Integration, 2012, 5, 249-258.	0.7	1
184	Bayesian Collaborative Predictors for General User Modeling Tasks. Lecture Notes in Computer Science, 2008, , 742-751.	1.3	1
185	Self-organized Reinforcement Learning Based on Policy Gradient in Nonstationary Environments. Lecture Notes in Computer Science, 2008, , 367-376.	1.3	1
186	Transition Motion Synthesis for Object Interaction based on Learning Transition Strategies. Computer Graphics Forum, 2022, 41, 37-50.	3.0	1
187	Confidence modulates the decodability of scene prediction during partially-observable maze exploration in humans. Communications Biology, 2022, 5, 367.	4.4	1
188	Analog ϵ -opt approach to quadratic assignment problem. Systems and Computers in Japan, 2000, 31, 1-9.	0.2	0
189	Learning chaotic dynamics under noise with on-line EM algorithm. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq1 1 0.7843 b41rgBT /Overlock	0.7843	0
190	A multiagent reinforcement learning method based on the model inference of the other agents. Systems and Computers in Japan, 2002, 33, 67-76.	0.2	0
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