

Shin Ishii

List of Publications by Year in descending order

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Version: 2024-02-01

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 | A behavioural correlate of the synaptic eligibility trace in the nucleus accumbens. <i>Scientific Reports</i> , 2022, 12, 1921. | 3.3 | 10 |
| 2 | Transition Motion Synthesis for Object Interaction based on Learning Transition Strategies. <i>Computer Graphics Forum</i> , 2022, 41, 37-50. | 3.0 | 1 |
| 3 | Tri-view two-photon microscopic image registration and deblurring with convolutional neural networks. <i>Neural Networks</i> , 2022, 152, 57-69. | 5.9 | 3 |
| 4 | Confidence modulates the decodability of scene prediction during partially-observable maze exploration in humans. <i>Communications Biology</i> , 2022, 5, 367. | 4.4 | 1 |
| 5 | A Meta-Q-Learning Approach to Discriminative Correlation Filter based Visual Tracking. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 101, 1. | 3.4 | 1 |
| 6 | 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 |
| 7 | The critical balance between dopamine D2 receptor and RGS for the sensitive detection of a transient decay in dopamine signal. <i>PLoS Computational Biology</i> , 2021, 17, e1009364. | 3.2 | 5 |
| 8 | 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 |
| 9 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. <i>PLoS Computational Biology</i> , 2020, 16, e1008078. | 3.2 | 17 |
| 10 | 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 |
| 11 | Optimization and validation of diffusion MRI-based fiber tracking with neural tracer data as a reference. <i>Scientific Reports</i> , 2020, 10, 21285. | 3.3 | 15 |
| 12 | 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 |
| 13 | Dopamine D2 receptors in discrimination learning and spine enlargement. <i>Nature</i> , 2020, 579, 555-560. | 27.8 | 122 |
| 14 | 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 |
| 15 | 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 |
| 16 | Generative and discriminative model-based approaches to microscopic image restoration and segmentation. <i>Microscopy (Oxford, England)</i> , 2020, 69, 79-91. | 1.5 | 10 |
| 17 | Geometry and the Organizational Principle of Spine Synapses along a Dendrite. <i>ENeuro</i> , 2020, 7, ENEURO.0248-20.2020. | 1.9 | 19 |
| 18 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |
| 20 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |
| 21 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |
| 22 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |
| 23 | Signaling models for dopamine-dependent temporal contiguity in striatal synaptic plasticity. , 2020, 16, e1008078. | | 0 |
| 24 | 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 |
| 25 | PATâ€”Probabilistic Axon Tracking for Densely Labeled Neurons in Large 3-D Micrographs. IEEE Transactions on Medical Imaging, 2019, 38, 69-78. | 8.9 | 16 |
| 26 | Online motion synthesis framework using a simple mass model based on predictive coding. , 2019, , . | | 0 |
| 27 | Logical design of oral glucose ingestion pattern minimizing blood glucose in humans. Npj Systems Biology and Applications, 2019, 5, 31. | 3.0 | 10 |
| 28 | Noise-resistant developmental reproducibility in vertebrate somite formation. PLoS Computational Biology, 2019, 15, e1006579. | 3.2 | 10 |
| 29 | System level analysis of motor-related neural activities in larval <i>Drosophila</i> . Journal of Neurogenetics, 2019, 33, 179-189. | 1.4 | 5 |
| 30 | An unsupervised EEG decoding system for human emotion recognition. Neural Networks, 2019, 116, 257-268. | 5.9 | 70 |
| 31 | Semi-supervised deep learning of brain tissue segmentation. Neural Networks, 2019, 116, 25-34. | 5.9 | 48 |
| 32 | Brain Dynamics Encoding from Visual Input during Free Viewing of Natural Videos. , 2019, , . | | 1 |
| 33 | UNI-EM: An Environment for Deep Neural Network-Based Automated Segmentation of Neuronal Electron Microscopic Images. Scientific Reports, 2019, 9, 19413. | 3.3 | 25 |
| 34 | Constrained Deep Q-Learning Gradually Approaching Ordinary Q-Learning. Frontiers in Neurobotics, 2019, 13, 103. | 2.8 | 35 |
| 35 | GABAergic inhibition reduces the impact of synaptic excitation on somatic excitation. Neuroscience Research, 2019, 146, 22-35. | 1.9 | 4 |
| 36 | Computational Methods for Estimating Molecular System from Membrane Potential Recordings in Nerve Growth Cone. Scientific Reports, 2018, 8, 4559. | 3.3 | 0 |

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|----|---|-----|-----------|
| 37 | Binary classifiers ensemble based on Bregman divergence for multi-class classification. <i>Neurocomputing</i> , 2018, 273, 424-434. | 5.9 | 9 |
| 38 | Efficient Diverse Ensemble for Discriminative Co-tracking. , 2018, , . | | 21 |
| 39 | Identification of animal behavioral strategies by inverse reinforcement learning. <i>PLoS Computational Biology</i> , 2018, 14, e1006122. | 3.2 | 21 |
| 40 | Zero-shot fMRI decoding with three-dimensional registration based on diffusion tensor imaging. <i>Scientific Reports</i> , 2018, 8, 12342. | 3.3 | 3 |
| 41 | Characterization of electroencephalography signals for estimating saliency features in videos. <i>Neural Networks</i> , 2018, 105, 52-64. | 5.9 | 4 |
| 42 | Inverse tissue mechanics of cell monolayer expansion. <i>PLoS Computational Biology</i> , 2018, 14, e1006029. | 3.2 | 8 |
| 43 | Constructing a meta-tracker using Dropout to imitate the behavior of an arbitrary black-box tracker. <i>Neural Networks</i> , 2017, 87, 132-148. | 5.9 | 2 |
| 44 | Active discriminative tracking using collective memory. , 2017, , . | | 6 |
| 45 | Efficient asymmetric co-tracking using uncertainty sampling. , 2017, , . | | 2 |
| 46 | Active collaborative ensemble tracking. , 2017, , . | | 0 |
| 47 | 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 |
| 48 | Efficient Version-Space Reduction for Visual Tracking. , 2017, , . | | 1 |
| 49 | Individual Identification by Resting-State EEG Using Common Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2017, , 199-207. | 1.3 | 4 |
| 50 | Estimation of the Change of Agents Behavior Strategy Using State-Action History. <i>Lecture Notes in Computer Science</i> , 2017, , 100-107. | 1.3 | 0 |
| 51 | Multi-Sensor Based State Prediction for Personal Mobility Vehicles. <i>PLoS ONE</i> , 2016, 11, e0162593. | 2.5 | 21 |
| 52 | Sparse and low-rank matrix regularization for learning time-varying Markov networks. <i>Machine Learning</i> , 2016, 105, 335-366. | 5.4 | 5 |
| 53 | Data-Driven Probabilistic Occlusion Mask to Promote Visual Tracking. , 2016, , . | | 3 |
| 54 | Robust discriminative tracking via query-by-bagging. , 2016, , . | | 2 |

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|----|---|-----|-----------|
| 55 | Empirical Bayesian significance measure of neuronal spike response. BMC Neuroscience, 2016, 17, 27. | 1.9 | 1 |
| 56 | Multi-phasic bi-directional chemotactic responses of the growth cone. Scientific Reports, 2016, 6, 36256. | 3.3 | 8 |
| 57 | Robust encoding of scene anticipation during human spatial navigation. Scientific Reports, 2016, 6, 37599. | 3.3 | 4 |
| 58 | Decoding the view expectation during learned maze navigation from human fronto-parietal network. Scientific Reports, 2016, 5, 17648. | 3.3 | 5 |
| 59 | An occlusion-aware particle filter tracker to handle complex and persistent occlusions. Computer Vision and Image Understanding, 2016, 150, 81-94. | 4.7 | 62 |
| 60 | Reconstruction of Spatial Thermal Gradient Encoded in Thermosensory Neuron AFD in <i>Caenorhabditis elegans</i> . Journal of Neuroscience, 2016, 36, 2571-2581. | 3.6 | 35 |
| 61 | Uncertainty-Dependent Extinction of Fear Memory in an Amygdala-mPFC Neural Circuit Model. PLoS Computational Biology, 2016, 12, e1005099. | 3.2 | 23 |
| 62 | Two New FRET Imaging Measures: Linearly Proportional to and Highly Contrasting the Fraction of Active Molecules. PLoS ONE, 2016, 11, e0164254. | 2.5 | 4 |
| 63 | The State-of-the-Art in Handling Occlusions for Visual Object Tracking. IEICE Transactions on Information and Systems, 2015, E98.D, 1260-1274. | 0.7 | 12 |
| 64 | Distinct predictive performance of Rac1 and Cdc42 in cell migration. Scientific Reports, 2015, 5, 17527. | 3.3 | 44 |
| 65 | Expanding histogram of colors with gridding to improve tracking accuracy. , 2015, , . | | 16 |
| 66 | Computational Complexity Reduction for Functional Connectivity Estimation in Large Scale Neural Network. Lecture Notes in Computer Science, 2015, , 583-591. | 1.3 | 0 |
| 67 | Brain-machine interfaces for assistive smart homes: A feasibility study with wearable near-infrared spectroscopy. , 2015, 2015, 1107-10. | | 8 |
| 68 | Efficient Monte Carlo Image Analysis for the Location of Vascular Entity. IEEE Transactions on Medical Imaging, 2015, 34, 628-643. | 8.9 | 9 |
| 69 | Learning a common dictionary for subject-transfer decoding with resting calibration. NeuroImage, 2015, 111, 167-178. | 4.2 | 139 |
| 70 | Data-driven brain computer interface in real environments. , 2015, , . | | 0 |
| 71 | Subtle modulation of ongoing calcium dynamics in astrocytic microdomains by sensory inputs. Physiological Reports, 2015, 3, e12454. | 1.7 | 27 |
| 72 | Principal Sensitivity Analysis. Lecture Notes in Computer Science, 2015, , 621-632. | 1.3 | 2 |

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| 73 | Inverse Reinforcement Learning Based on Behaviors of a Learning Agent. Lecture Notes in Computer Science, 2015, , 724-732. | 1.3 | 3 |
| 74 | Spiking network simulation code for petascale computers. Frontiers in Neuroinformatics, 2014, 8, 78. | 2.5 | 87 |
| 75 | Mathematical Modeling of Neuronal Polarization During Development. Progress in Molecular Biology and Translational Science, 2014, 123, 127-141. | 1.7 | 5 |
| 76 | A Statistical Method of Identifying Interactions in Neuron-Glia Systems Based on Functional Multicell Ca ²⁺ Imaging. PLoS Computational Biology, 2014, 10, e1003949. | 3.2 | 8 |
| 77 | Live demonstration: Database-driven artifact detection method for EEG systems with few channels (DAD). , 2014, , . | | 0 |
| 78 | Modeling of human velocity habituation for a robotic wheelchair. , 2014, , . | | 8 |
| 79 | Structural Differences in Gray Matter between Glider Pilots and Non-Pilots. A Voxel-Based Morphometry Study. Frontiers in Neurology, 2014, 5, 248. | 2.4 | 3 |
| 80 | Decoding spatial attention by using cortical currents estimated from electroencephalography with near-infrared spectroscopy prior information. NeuroImage, 2014, 90, 128-139. | 4.2 | 52 |
| 81 | A critical time window for dopamine actions on the structural plasticity of dendritic spines. Science, 2014, 345, 1616-1620. | 12.6 | 478 |
| 82 | In Vitro Reconstitution of a CaMKII Memory Switch by an NMDA Receptor-Derived Peptide. Biophysical Journal, 2014, 106, 1414-1420. | 0.5 | 27 |
| 83 | Database-driven artifact detection method for EEG systems with few channels (DAD). , 2014, , . | | 0 |
| 84 | 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 |
| 85 | Efficient Metropolis-Hasting Image Analysis for the Location of Vascular Entity. Lecture Notes in Computer Science, 2014, , 421-431. | 1.3 | 0 |
| 86 | From laptops to supercomputers: a single highly scalable code base for spiking neuronal network simulations. BMC Neuroscience, 2013, 14, . | 1.9 | 2 |
| 87 | Microscopic image restoration based on tensor factorization of rotated patches. Artificial Life and Robotics, 2013, 17, 417-425. | 1.2 | 1 |
| 88 | A waypoint-based framework in brain-controlled smart home environments: Brain interfaces, domotics, and robotics integration. , 2013, , . | | 26 |
| 89 | Fast Approximation Method for Gaussian Process Regression Using Hash Function for Non-uniformly Distributed Data. Lecture Notes in Computer Science, 2013, , 17-25. | 1.3 | 9 |
| 90 | Dynamic Regulation of Myosin Light Chain Phosphorylation by Rho-kinase. PLoS ONE, 2012, 7, e39269. | 2.5 | 48 |

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| 91 | Supercomputers Ready for Use as Discovery Machines for Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 26. | 2.5 | 50 |
| 92 | Asymptotic analysis of value prediction by well-specified and misspecified models. <i>Neural Networks</i> , 2012, 31, 88-92. | 5.9 | 0 |
| 93 | 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 |
| 94 | A Unified Framework of Binary Classifiers Ensemble for Multi-class Classification. <i>Lecture Notes in Computer Science</i> , 2012, , 375-382. | 1.3 | 1 |
| 95 | Control of a Free-Falling Cat by Policy-Based Reinforcement Learning. <i>Lecture Notes in Computer Science</i> , 2012, , 116-123. | 1.3 | 2 |
| 96 | Low-Dimensional Feature Representation for Instrument Identification. <i>SICE Journal of Control Measurement and System Integration</i> , 2012, 5, 249-258. | 0.7 | 1 |
| 97 | High-speed Multineuron Calcium Imaging Using Nipkow-type Confocal Microscopy. <i>Current Protocols in Neuroscience</i> , 2011, 57, Unit 2.14. | 2.6 | 17 |
| 98 | 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 |
| 99 | Flexible Search for Single-Axon Morphology during Neuronal Spontaneous Polarization. <i>PLoS ONE</i> , 2011, 6, e19034. | 2.5 | 18 |
| 100 | Multi-Cellular Logistics of Collective Cell Migration. <i>PLoS ONE</i> , 2011, 6, e27950. | 2.5 | 31 |
| 101 | Motion Compensated X-ray CT Algorithm for Moving Objects. , 2011, , . | | 0 |
| 102 | Bayesian Normalized Gaussian Network and Hierarchical Model Selection Method. <i>Intelligent Automation and Soft Computing</i> , 2011, 17, 71-94. | 2.1 | 2 |
| 103 | Semaphorin 3A induces CaV2.3 channel-dependent conversion of axons to dendrites. <i>Nature Cell Biology</i> , 2011, 13, 676-685. | 10.3 | 46 |
| 104 | A multiphysical model of cell migration integrating reaction-diffusion, membrane and cytoskeleton. <i>Neural Networks</i> , 2011, 24, 979-989. | 5.9 | 11 |
| 105 | Multi-scale, multi-modal neural modeling and simulation. <i>Neural Networks</i> , 2011, 24, 917. | 5.9 | 2 |
| 106 | Ternary Bradley-Terry model-based decoding for multi-class classification and its extensions. <i>Machine Learning</i> , 2011, 85, 249-272. | 5.4 | 6 |
| 107 | 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 |
| 108 | Maximum a posteriori X-ray computed tomography using graph cuts. <i>Journal of Physics: Conference Series</i> , 2010, 233, 012023. | 0.4 | 9 |

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| 109 | Visual attention model involving feature-based inhibition of return. <i>Artificial Life and Robotics</i> , 2010, 15, 129-132. | 1.2 | 4 |
| 110 | Bayesian image superresolution and hidden variable modeling. <i>Journal of Systems Science and Complexity</i> , 2010, 23, 116-136. | 2.8 | 6 |
| 111 | Sparse and Low-Rank Estimation of Time-Varying Markov Networks with Alternating Direction Method of Multipliers. <i>Lecture Notes in Computer Science</i> , 2010, , 371-379. | 1.3 | 1 |
| 112 | Bayesian X-ray computed tomography using material class knowledge. , 2010, , . | | 2 |
| 113 | A diffusion-based neurite length-sensing mechanism involved in neuronal symmetry breaking. <i>Molecular Systems Biology</i> , 2010, 6, 394. | 7.2 | 73 |
| 114 | Hierarchical rule switching in prefrontal cortex. <i>NeuroImage</i> , 2010, 50, 314-322. | 4.2 | 18 |
| 115 | Sparse Bayesian Learning of Filters for Efficient Image Expansion. <i>IEEE Transactions on Image Processing</i> , 2010, 19, 1480-1490. | 9.8 | 9 |
| 116 | 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 |
| 117 | Noise-Induced Collective Migration for Neural Crest Cells. <i>Lecture Notes in Computer Science</i> , 2010, , 155-163. | 1.3 | 0 |
| 118 | Robust Model Selection for Classification of Microarrays. <i>Cancer Informatics</i> , 2009, 7, CIN.S2704. | 1.9 | 1 |
| 119 | Boosting perceptual learning by fake feedback. <i>Vision Research</i> , 2009, 49, 2574-2585. | 1.4 | 61 |
| 120 | Adaptive particle allocation for multifocal visual attention based on particle filtering. <i>Artificial Life and Robotics</i> , 2009, 13, 522-525. | 1.2 | 0 |
| 121 | Solo instrumental music analysis using the source-filter model as a sound production model considering temporal dynamics. <i>Neural Computing and Applications</i> , 2009, 18, 3-14. | 5.6 | 0 |
| 122 | Using gene expression profiling to identify a prognostic molecular spectrum in gliomas. <i>Cancer Science</i> , 2009, 100, 165-172. | 3.9 | 26 |
| 123 | Superresolution with compound Markov random fields via the variational EM algorithm. <i>Neural Networks</i> , 2009, 22, 1025-1034. | 5.9 | 46 |
| 124 | Learning a multi-dimensional companding function for lossy source coding. <i>Neural Networks</i> , 2009, 22, 998-1010. | 5.9 | 0 |
| 125 | A Multiclass Classification Method Based on Decoding of Binary Classifiers. <i>Neural Computation</i> , 2009, 21, 2049-2081. | 2.2 | 6 |
| 126 | Optimal Aggregation of Binary Classifiers for Multiclass Cancer Diagnosis Using Gene Expression Profiles. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2009, 6, 333-343. | 3.0 | 18 |

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| 127 | Learning color image expansion filters. , 2009, , . | | 0 |
| 128 | A Constrained Gaussian Mixture Model for Correlation-Based Cluster Analysis of Gene Expression Data. IPSJ Transactions on Bioinformatics, 2009, 2, 47-62. | 0.2 | 0 |
| 129 | Differential gene detection incorporating common expression patterns. Journal of Physics: Conference Series, 2009, 197, 012007. | 0.4 | 1 |
| 130 | Dynamic Exponential Family Matrix Factorization. Lecture Notes in Computer Science, 2009, , 452-462. | 1.3 | 8 |
| 131 | Optimal Sufficient Statistics for Parametric and Non-Parametric Multiple Simultaneous Hypothesis Testing. International Journal of Biostatistics, 2009, 5, . | 0.7 | 1 |
| 132 | An Additive Reinforcement Learning. Lecture Notes in Computer Science, 2009, , 608-617. | 1.3 | 1 |
| 133 | A Closed-Form Estimator of Fully Visible Boltzmann Machines. Lecture Notes in Computer Science, 2009, , 951-959. | 1.3 | 1 |
| 134 | Optimal Online Learning Procedures for Model-Free Policy Evaluation. Lecture Notes in Computer Science, 2009, , 473-488. | 1.3 | 1 |
| 135 | Interpreting Dopamine Activities in Stochastic Reward Tasks. Lecture Notes in Computer Science, 2009, , 361-368. | 1.3 | 0 |
| 136 | Learning of Go Board State Evaluation Function by Artificial Neural Network. Lecture Notes in Computer Science, 2009, , 598-605. | 1.3 | 0 |
| 137 | Robust Approximation in Decomposed Reinforcement Learning. Lecture Notes in Computer Science, 2009, , 590-597. | 1.3 | 0 |
| 138 | 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 |
| 139 | A probabilistic modeling of MOSAIC learning. Artificial Life and Robotics, 2008, 12, 167-171. | 1.2 | 0 |
| 140 | Stochastic control of spontaneous signal generation for gradient sensing in chemotaxis. Journal of Theoretical Biology, 2008, 255, 259-266. | 1.7 | 22 |
| 141 | Prediction of aperiodic target sequences by saccades. Behavioural Brain Research, 2008, 189, 325-331. | 2.2 | 0 |
| 142 | Ternary Bradley-Terry model-based decoding for multi-class classification. , 2008, , . | | 3 |
| 143 | Quantification of Local Morphodynamics and Local GTPase Activity by Edge Evolution Tracking. PLoS Computational Biology, 2008, 4, e1000223. | 3.2 | 23 |
| 144 | A semiparametric statistical approach to model-free policy evaluation. , 2008, , . | | 4 |

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| 145 | Virtual Force/Tactile Sensors for Interactive Machines Using the User's Biological Signals. <i>Advanced Robotics</i> , 2008, 22, 893-911. | 1.8 | 8 |
| 146 | ãf™ã,ã,°è¶...è§£ãfã·ésŽã±ãfçãf‡ãfªãf³ã,°. <i>The Brain & Neural Networks</i> , 2008, 15, 181-192. | 0.1 | 1 |
| 147 | Visual Tracking Achieved by Adaptive Sampling from Hierarchical and Parallel Predictions. <i>Lecture Notes in Computer Science</i> , 2008, , 604-613. | 1.3 | 2 |
| 148 | Optimization of Parametric Companding Function for an Efficient Coding. <i>Lecture Notes in Computer Science</i> , 2008, , 713-722. | 1.3 | 0 |
| 149 | Bayesian Collaborative Predictors for General User Modeling Tasks. <i>Lecture Notes in Computer Science</i> , 2008, , 742-751. | 1.3 | 1 |
| 150 | Self-organizedÂReinforcementÂLearning BasedÂonÂPolicyÂGradient inÂNonstationaryÂEnvironments. <i>Lecture Notes in Computer Science</i> , 2008, , 367-376. | 1.3 | 1 |
| 151 | A Continuous Internal-State Controller for Partially Observable Markov Decision Processes. <i>Lecture Notes in Computer Science</i> , 2008, , 397-406. | 1.3 | 0 |
| 152 | A probabilistic decoding approach to multi-class classification. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , . | 0.0 | 1 |
| 153 | Model-Based Reinforcement Learning for Partially Observable Games with Sampling-Based State Estimation. <i>Neural Computation</i> , 2007, 19, 3051-3087. | 2.2 | 11 |
| 154 | Image Superresolution under Spatially Structured Noise. , 2007, , . | | 6 |
| 155 | Instrument Identification in Monophonic Music Using Spectral Information. , 2007, , . | | 5 |
| 156 | Convergence Analysis of the EM Algorithm and Joint Minimization of Free Energy. <i>IEEE International Workshop on Machine Learning for Signal Processing</i> , 2007, , . | 0.0 | 1 |
| 157 | Markov and Semi-Markov Switching of Source Appearances for Nonstationary Independent Component Analysis. <i>IEEE Transactions on Neural Networks</i> , 2007, 18, 1326-1342. | 4.2 | 18 |
| 158 | A multi-class classification with a probabilistic localized decoder. , 2007, , . | | 0 |
| 159 | Multiclass classification as a decoding problem. , 2007, , . | | 4 |
| 160 | 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 |
| 161 | A Probabilistic Model of MOSAIC. , 2007, , . | | 0 |
| 162 | Estimation of the Source-Filter Model Using Temporal Dynamics. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007, , . | 0.0 | 1 |

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| 163 | Reinforcement learning for a biped robot based on a CPG-actor-critic method. <i>Neural Networks</i> , 2007, 20, 723-735. | 5.9 | 103 |
| 164 | Parameter estimation for von Mises-Fisher distributions. <i>Computational Statistics</i> , 2007, 22, 145-157. | 1.5 | 42 |
| 165 | Reinforcement Learning for Cooperative Actions in a Partially Observable Multi-agent System. <i>Lecture Notes in Computer Science</i> , 2007, , 229-238. | 1.3 | 2 |
| 166 | Edge-Preserving Bayesian Image Superresolution Based on Compound Markov Random Fields. <i>Lecture Notes in Computer Science</i> , 2007, , 611-620. | 1.3 | 7 |
| 167 | Quantitative Morphodynamic Analysis of Time-Lapse Imaging by Edge Evolution Tracking. <i>Lecture Notes in Computer Science</i> , 2007, , 817-826. | 1.3 | 0 |
| 168 | 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 |
| 169 | Resolution of Uncertainty in Prefrontal Cortex. <i>Neuron</i> , 2006, 50, 781-789. | 8.1 | 174 |
| 170 | Stochastic resonance with differential code in feedforward network with intra-layer random connections. <i>Neural Networks</i> , 2006, 19, 469-476. | 5.9 | 5 |
| 171 | The role of short-term depression in sustained neural activity in the prefrontal cortex: A simulation study. <i>Neural Networks</i> , 2006, 19, 1137-1152. | 5.9 | 0 |
| 172 | Switching particle filters for efficient visual tracking. <i>Robotics and Autonomous Systems</i> , 2006, 54, 873-884. | 5.1 | 14 |
| 173 | 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 |
| 174 | Part 4: Reinforcement learning: Machine learning and natural learning. <i>New Generation Computing</i> , 2006, 24, 325-350. | 3.3 | 1 |
| 175 | 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 |
| 176 | Semi-supervised discovery of differential genes. <i>BMC Bioinformatics</i> , 2006, 7, 414. | 2.6 | 2 |
| 177 | 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 |
| 178 | Fast and Stable Learning of Quasi-Passive Dynamic Walking by an Unstable Biped Robot based on Off-Policy Natural Actor-Critic. , 2006, , . | | 12 |
| 179 | Feature Extraction for Decision-Theoretic Planning in Partially Observable Environments. <i>Lecture Notes in Computer Science</i> , 2006, , 820-829. | 1.3 | 0 |
| 180 | Expression profiling using a tumor-specific cDNA microarray predicts the prognosis of intermediate risk neuroblastomas. <i>Cancer Cell</i> , 2005, 7, 337-350. | 16.8 | 144 |

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