

Kazuyuki Murase

List of Publications by Year in descending order

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184
papers

5,644
citations

109137

35
h-index

82410

72
g-index

194
all docs

194
docs citations

194
times ranked

4272
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond Thirty Years of IJNS. International Journal of Neural Systems, 2020, 30, 2003007.	3.2	0
2	Adaptive Fuzzy Logic Controllers Using Hybrid Genetic Algorithms. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2019, 27, 41-71.	0.9	2
3	Adaptive weighted fuzzy rule-based system for the risk level assessment of heart disease. Applied Intelligence, 2018, 48, 1739-1756.	3.3	98
4	A Robust System for Noisy Image Classification Combining Denoising Autoencoder and Convolutional Neural Network. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	5
5	Simplified Real-, Complex-, and Quaternion-Valued Neuro-Fuzzy Learning Algorithms. International Journal of Intelligent Systems and Applications, 2018, 10, 1-13.	0.9	10
6	Capacitated Vehicle Routing Problem Solving through Adaptive Sweep Based Clustering plus Swarm Intelligence based Route Optimization. Oriental Journal of Computer Science and Technology, 2018, 11, 88-102.	0.6	6
7	Convolutional neural networks with multi-valued neurons. , 2017, , .		8
8	Capacitated Vehicle Routing Problem Solving using Adaptive Sweep and Velocity Tentative PSO. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.5	7
9	Multi-Valued Autoencoders and Classification of Large-Scale Multi-Class Problem. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.5	0
10	Restriction site placement in virus genomes using Particle Swarm Optimization. , 2016, , .		0
11	Link Prediction in Scientists Collaboration with Author Name and Affiliation. , 2016, , .		2
12	Single-Layered Complex-Valued Neural Network with SMOTE for Imbalanced Data Classification. , 2016, , .		6
13	Complex-valued online classifier. , 2016, , .		0
14	Quaternion neuro-fuzzy learning algorithm for generation of fuzzy rules. Neurocomputing, 2016, 216, 638-648.	3.5	11
15	Multi-valued autoencoders for multi-valued neural networks. , 2016, , .		1
16	Binarization With Boosting and Oversampling for Multiclass Classification. IEEE Transactions on Cybernetics, 2016, 46, 1078-1091.	6.2	38
17	Layered Ensemble Architecture for Time Series Forecasting. IEEE Transactions on Cybernetics, 2016, 46, 270-283.	6.2	31
18	Context likelihood of relatedness with maximal information coefficient for Gene Regulatory Network inference. , 2015, , .		6

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19	Generation of Fuzzy Rules by a Complex-Valued Neuro-Fuzzy Learning Algorithm. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2015, 27, 533-548.	0.0	2
20	Classification of Skeletal Wireframe Representation of Hand Gesture Using Complex-Valued Neural Network. Neural Processing Letters, 2015, 42, 649-664.	2.0	13
21	A multi-objective genetic algorithm with fuzzy relational clustering for automatic data clustering. , 2015, , .		0
22	Evolutionary Path Control Strategy for Solving Many-Objective Optimization Problem. IEEE Transactions on Cybernetics, 2015, 45, 702-715.	6.2	99
23	Optimization of Fuzzy Logic Controllers with Rule Base Size Reduction using Genetic Algorithms. International Journal of Information Technology and Decision Making, 2015, 14, 1063-1092.	2.3	11
24	GOS-IL: A Generalized Over-Sampling Based Online Imbalanced Learning Framework. Lecture Notes in Computer Science, 2015, , 680-687.	1.0	5
25	Artificial Bee Colony Algorithm with Adaptive Explorations and Exploitations: A Novel Approach for Continuous Optimization. International Journal of Applied Information Systems, 2015, 8, 32-43.	0.1	1
26	Decision tree ensemble construction incorporating feature values modification and random subspace method. , 2014, , .		0
27	Real time decision making forecasting using data mining and decision tree. , 2014, , .		0
28	A cortex-inspired episodic memory toward interactive 3D robotic vision. , 2014, , .		0
29	Quaternion neuro-fuzzy for real-valued classification problems. , 2014, , .		0
30	Stabilization control of an inverted pendulum by complex-valued neuro-fuzzy learning algorithm. , 2014, , .		1
31	Forecasting time series — A layered ensemble architecture. , 2014, , .		2
32	ARTIFICIAL BEE COLONY ALGORITHM WITH IMPROVED EXPLORATIONS: A NOVEL APPROACH FOR NUMERICAL OPTIMIZATION. International Journal of Computational Intelligence and Applications, 2014, 13, 1450010.	0.6	0
33	An algorithmic framework based on the binarization approach for supervised and semi-supervised multiclass problems. , 2014, , .		2
34	Development of a neural circuit in the superior colliculus. NeuroReport, 2014, 25, 242-247.	0.6	1
35	Towards better generalization in Pittsburgh learning classifier systems. , 2014, , .		0
36	Contribution of Anterior Cingulate Cortex and Descending Pain Inhibitory System to Analgesic Effect of Lemon Odor in Mice. Molecular Pain, 2014, 10, 1744-8069-10-14.	1.0	23

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37	Determining auditory-evoked activities from multiple cells in layer 1 of the dorsal cortex of the inferior colliculus of mice by in vivo calcium imaging. Brain Research, 2014, 1590, 45-55.	1.1	14
38	Bangla handwritten character recognition using deep belief network. , 2014, , .		34
39	MWMOTE--Majority Weighted Minority Oversampling Technique for Imbalanced Data Set Learning. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 405-425.	4.0	759
40	Speech enhancement using modified magnitude and phase spectra. , 2014, , .		0
41	Filamin A-interacting protein (FILIP) is a region-specific modulator of myosin 2b and controls spine morphology and NMDA receptor accumulation. Scientific Reports, 2014, 4, 6353.	1.6	12
42	Optimization of fuzzy logic controllers with rule base size reduction using genetic algorithms. , 2013, , .		9
43	Semantic Spatiotemporal Memory toward 3D Robotic Vision. , 2013, , .		0
44	Astrocytes are involved in long-term facilitation of neuronal excitation in the anterior cingulate cortex of mice with inflammatory pain. Pain, 2013, 154, 2836-2843.	2.0	26
45	ProWSyn: Proximity Weighted Synthetic Oversampling Technique for Imbalanced Data Set Learning. Lecture Notes in Computer Science, 2013, , 317-328.	1.0	30
46	Particle Swarm Optimization Based Adaptive Strategy for Tuning of Fuzzy Logic Controller. International Journal of Artificial Intelligence & Applications, 2013, 4, 37-50.	0.3	8
47	Quaternion Neuro-fuzzy Learning Algorithm for Fuzzy Rule Generation. , 2013, , .		4
48	Designing a fully automated hierarchical fuzzy logic controllers using evolutionary algorithms. , 2013, , .		1
49	A Tree-Type Memory Formation by Sensorimotor Feedback: A Possible Approach to the Development of Robotic Cognition. Intelligent Control and Automation, 2013, 04, 154-165.	1.0	0
50	Design of a self-tuning hierarchical fuzzy logic controller for nonlinear swing up and stabilizing control of inverted pendulum. , 2012, , .		3
51	ENSEMBLES OF NEURAL NETWORKS BASED ON THE ALTERATION OF INPUT FEATURE VALUES. International Journal of Neural Systems, 2012, 22, 77-87.	3.2	27
52	Harnessing Chaotic Activation Functions in Training Neural Network. Lecture Notes in Computer Science, 2012, , 551-558.	1.0	0
53	Optimization of interval type-2 fuzzy logic controller using quantum genetic algorithms. , 2012, , .		11
54	Group Search Optimization to solve Traveling Salesman Problem. , 2012, , .		3

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55	Enhancing MP3 encoding by utilizing a predictive Complex-Valued Neural Network. , 2012, , .		5
56	Orthogonal least squares based complex-valued functional link network. Neural Networks, 2012, 32, 257-266.	3.3	20
57	Using complex-valued Levenberg-Marquardt algorithm for learning and recognizing various hand gestures. , 2012, , .		4
58	Contribution of Microglia and Astrocytes to the Central Sensitization, Inflammatory and Neuropathic Pain in the Juvenile Rat. Molecular Pain, 2012, 8, 1744-8069-8-43.	1.0	70
59	Diversity Guided Evolutionary Programming: A novel approach for continuous optimization. Applied Soft Computing Journal, 2012, 12, 1693-1707.	4.1	25
60	A new hybrid ant colony optimization algorithm for feature selection. Expert Systems With Applications, 2012, 39, 3747-3763.	4.4	200
61	Artificial Bee Colony Algorithm with Improved Explorations for Numerical Function Optimization. Lecture Notes in Computer Science, 2012, , 1-8.	1.0	2
62	Design and Implementation of an Effective Fuzzy Logic Controller based on Quantum Inspired Evolutionary Algorithm. Journal of Computers, 2012, 7, .	0.4	2
63	Simultaneous design of membership functions and rule sets for type-2 fuzzy controllers using genetic algorithms. , 2011, , .		6
64	Fuzzy logic controller for an inverted pendulum system using quantum genetic optimization. , 2011, , .		4
65	Influence of inhibitory input to tonotopic organization of the inferior colliculus by voltage and Ca ²⁺ imaging. Neuroscience Research, 2011, 71, e352-e353.	1.0	0
66	Differential contribution of microglia and astrocytes to the central sensitization under peripheral nerve injury and tissue inflammation. Neuroscience Research, 2011, 71, e158.	1.0	0
67	Recurring Two-Stage Evolutionary Programming: A Novel Approach for Numeric Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1352-1365.	5.5	13
68	A Novel Bioinspired Vision System: A Step toward Real-Time Human-Robot Interactions. Journal of Robotics, 2011, 2011, 1-9.	0.6	5
69	Extraction of customer attitude using neural network and canonical correlation analysis. International Journal of Electronic Marketing and Retailing, 2011, 4, 30.	0.1	0
70	A new local search based hybrid genetic algorithm for feature selection. Neurocomputing, 2011, 74, 2914-2928.	3.5	218
71	A Novel Synthetic Minority Oversampling Technique for Imbalanced Data Set Learning. Lecture Notes in Computer Science, 2011, , 735-744.	1.0	50
72	Injecting Chaos in Feedforward Neural Networks. Neural Processing Letters, 2011, 34, 87-100.	2.0	18

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73	Complex-valued functional link network design by orthogonal least squares method for function approximation problems. , 2011, , .		8
74	An adaptive fuzzy logic controller based on real coded quantum-inspired evolutionary algorithm. , 2011, , .		2
75	Genetic algorithm based fully automated and adaptive fuzzy logic controller. , 2011, , .		8
76	A LEMPEL-ZIV COMPLEXITY-BASED NEURAL NETWORK PRUNING ALGORITHM. International Journal of Neural Systems, 2011, 21, 427-441.	3.2	11
77	Real-Time Hand Gesture Recognition Using Complex-Valued Neural Network (CVNN). Lecture Notes in Computer Science, 2011, , 541-549.	1.0	16
78	Wirtinger Calculus Based Gradient Descent and Levenberg-Marquardt Learning Algorithms in Complex-Valued Neural Networks. Lecture Notes in Computer Science, 2011, , 550-559.	1.0	37
79	Extraction of Interesting Rules from Internet Search Histories. Journal of Software, 2011, 6, .	0.6	2
80	Hybrid Ensemble Construction with Selected Neural Networks. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 652-661.	0.5	1
81	Optimization of Fuzzy Logic Controller for Trajectory Tracking Using Genetic Algorithm. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 639-651.	0.5	4
82	Ant Colony Optimization for Feature Selection Involving Effective Local Search. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2011, 15, 671-680.	0.5	0
83	A New Local Search Based Ant Colony Optimization Algorithm for Solving Combinatorial Optimization Problems. IEICE Transactions on Information and Systems, 2010, E93-D, 1127-1136.	0.4	4
84	HCBPM: An Idea toward a Social Learning Environment for Humanoid Robot. Journal of Robotics, 2010, 2010, 1-13.	0.6	0
85	Extraction of interesting features from human motion. 3D Research, 2010, 1, 1.	1.8	0
86	A new wrapper feature selection approach using neural network. Neurocomputing, 2010, 73, 3273-3283.	3.5	173
87	Long-term potentiation of neuronal excitation in the central nucleus of the rat amygdala revealed by imaging with a voltage-sensitive dye. Brain Research, 2010, 1349, 32-40.	1.1	8
88	A complexity based Silent Pruning Algorithm. , 2010, , .		0
89	Aplysia-like SNN model: An idea toward a compact adaptive controller for a physical Robot. Neuroscience Research, 2010, 68, e403.	1.0	1
90	Contribution of glial cells on the optically-recorded neuronal excitation in the rat spinal dorsal horn under neuropathic pain. Neuroscience Research, 2010, 68, e161.	1.0	0

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91	Making use of damped noisy gradient in training neural network. , 2010, , .		2
92	Maximization of the gradient function for efficient neural network training. , 2010, , .		5
93	Chaotic dynamics of supervised neural network. , 2010, , .		0
94	An encoding technique for design and optimization of combinational logic circuit. , 2010, , .		1
95	Designing an effective Fuzzy Logic Controller based on Quantum Evolutionary Algorithm. , 2010, , .		0
96	A Paper Currency Recognition System Using Negatively Correlated Neural Network Ensemble. Journal of Multimedia, 2010, 5, .	0.3	38
97	Ensembles of Artificial Example based Neural Networks. Journal of Computers, 2010, 5, .	0.4	1
98	SYMMETRY AXIS BASED OBJECT RECOGNITION UNDER TRANSLATION, ROTATION AND SCALING. International Journal of Neural Systems, 2009, 19, 25-42.	3.2	5
99	FASTER TRAINING USING FUSION OF ACTIVATION FUNCTIONS FOR FEED FORWARD NEURAL NETWORKS. International Journal of Neural Systems, 2009, 19, 437-448.	3.2	27
100	An Efficient Feature Selection Using Ant Colony Optimization Algorithm. Lecture Notes in Computer Science, 2009, , 242-252.	1.0	12
101	Single-layered complex-valued neural network for real-valued classification problems. Neurocomputing, 2009, 72, 945-955.	3.5	153
102	Ensemble of single-layered complex-valued neural networks for classification tasks. Neurocomputing, 2009, 72, 2227-2234.	3.5	46
103	Progressive interactive training: A sequential neural network ensemble learning method. Neurocomputing, 2009, 73, 260-273.	3.5	9
104	A Hierarchical Autonomous Robot Controller for Learning and Memory: Adaptation in a Dynamic Environment. Adaptive Behavior, 2009, 17, 179-196.	1.1	7
105	Synaptic plasticity in the spinal dorsal horn. Neuroscience Research, 2009, 64, 133-136.	1.0	30
106	A COMPARATIVE STUDY OF DATA SAMPLING TECHNIQUES FOR CONSTRUCTING NEURAL NETWORK ENSEMBLES. International Journal of Neural Systems, 2009, 19, 67-89.	3.2	24
107	A New Adaptive Merging and Growing Algorithm for Designing Artificial Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 705-722.	5.5	102
108	A New Constructive Algorithm for Architectural and Functional Adaptation of Artificial Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1590-1605.	5.5	46

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109	Involving New Local Search in Hybrid Genetic Algorithm for Feature Selection. Lecture Notes in Computer Science, 2009, , 150-158.	1.0	8
110	A Novel Hierarchical Constructive BackPropagation with Memory for Teaching a Robot the Names of Things. Lecture Notes in Computer Science, 2009, , 451-459.	1.0	0
111	Vision-Motor Abstraction toward Robot Cognition. Lecture Notes in Computer Science, 2009, , 65-74.	1.0	1
112	A New Dynamic Edge Detection toward Better Human-Robot Interaction. Lecture Notes in Computer Science, 2009, , 44-52.	1.0	1
113	Adapting Real Mobile Robots to Complex Environments Using a Pattern Association Network Controller (PAN-C). Journal of Advanced Computational Intelligence and Intelligent Informatics, 2009, 13, 312-319.	0.5	1
114	A Spiking Neural Network with dynamic memory for a real autonomous mobile robot in dynamic environment. , 2008, , .		15
115	Effect of Excitatory and Inhibitory Agents and a Glial Inhibitor on Optically-Recorded Primary-Afferent Excitation. Molecular Pain, 2008, 4, 1744-8069-4-39.	1.0	7
116	Bagging and Boosting Negatively Correlated Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 771-784.	5.5	73
117	Training of neural network ensemble through progressive interaction. , 2008, , .		0
118	How to maintain information content in artificial neural networks with coherence adaptation. , 2008, , .		0
119	An adaptive merging and growing algorithm for designing artificial neural networks. , 2008, , .		5
120	A Simple Aplysia-Like Spiking Neural Network to Generate Adaptive Behavior in Autonomous Robots. Adaptive Behavior, 2008, 16, 306-324.	1.1	10
121	An implementation of on-line traffic information system via short message service (SMS) for Bangladesh. , 2008, , .		8
122	Generation of equal length patterns from heterogeneous patterns for using in artificial neural networks. , 2008, , .		3
123	Sensor-fusion in spiking neural network that generates autonomous behavior in real mobile robot. , 2008, , .		7
124	Single-layered complex-valued neural networks and their ensembles for real-valued classification problems. , 2008, , .		5
125	Vision-sensorimotor abstraction and imagination towards exploring robot's inner world. , 2008, , .		3
126	A New Adaptive Strategy for Pruning and Adding Hidden Neurons during Training Artificial Neural Networks. Lecture Notes in Computer Science, 2008, , 40-48.	1.0	1

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127	Glia-mediated facilitation of neuronal excitation in the spinal dorsal horn in arthritic rats . Pain Research, 2008, 23, 151-157.	0.1	0
128	A New Constructive Algorithm for Designing and Training Artificial Neural Networks. Lecture Notes in Computer Science, 2008, , 317-327.	1.0	2
129	Feature Subset Selection Using Constructive Neural Nets with Minimal Computation by Measuring Contribution. Lecture Notes in Computer Science, 2008, , 374-384.	1.0	0
130	Glia-mediated facilitation of neuronal excitation in the spinal dorsal horn in the arthritic rat. Neuroscience Research, 2007, 58, S125.	1.0	0
131	Long-term potentiation of neuronal excitation by neuron-glia interactions in the rat spinal dorsal horn. European Journal of Neuroscience, 2007, 25, 1297-1306.	1.2	77
132	An Automatic Speaker Recognition System. Lecture Notes in Computer Science, 2007, , 517-526.	1.0	11
133	Neural Network Ensemble Training by Sequential Interaction. Lecture Notes in Computer Science, 2007, , 98-108.	1.0	4
134	A Backward Feature Selection by Creating Compact Neural Network Using Coherence Learning and Pruning. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2007, 11, 570-581.	0.5	4
135	Diversity-Based Feature Selection from Neural Network with Low Computational Cost. Lecture Notes in Computer Science, 2007, , 1017-1026.	1.0	0
136	A Novel Algorithm for Associative Classification. Lecture Notes in Computer Science, 2007, , 453-459.	1.0	2
137	A New Recurring Multistage Evolutionary Algorithm for Solving Problems Efficiently. , 2007, , 97-106.		3
138	Depression of Presynaptic Excitation by the Activation of Vanilloid Receptor 1 in the Rat Spinal Dorsal Horn Revealed by Optical Imaging. Molecular Pain, 2006, 2, 1744-8069-2-8.	1.0	13
139	Use-dependent Synaptic Connection Modification in SNN Generating Autonomous Behavior in a Khepera Mobile Robot. , 2006, , .		4
140	Nitric oxide-dependent long-term potentiation revealed by real-time imaging of nitric oxide production and neuronal excitation in the dorsal horn of rat spinal cord slices. European Journal of Neuroscience, 2006, 23, 1939-1943.	1.2	10
141	SELF-ORGANIZATION OF SPIKING NEURAL NETWORK THAT GENERATES AUTONOMOUS BEHAVIOR IN A REAL MOBILE ROBOT. International Journal of Neural Systems, 2006, 16, 229-239.	3.2	14
142	Self-Organization of Spiking Neural Network Generating Autonomous Behavior in a Miniature Mobile Robot. , 2006, , 255-260.		1
143	A Pruning Algorithm for Training Cooperative Neural Network Ensembles. IEICE Transactions on Information and Systems, 2006, E89-D, 1257-1269.	0.4	9
144	Safety of Autonomous Evolutionary Robots : Elimination of Certain Behavioral patterns by Complex Systems Analysis. , 2006, , 273-278.		0

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145	Chaotic dynamics of a behavior-based miniature mobile robot: effects of environment and control structure. <i>Neural Networks</i> , 2005, 18, 123-144.	3.3	40
146	Neural Network Training Algorithm with Positive Correlation. <i>IEICE Transactions on Information and Systems</i> , 2005, E88-D, 2399-2409.	0.4	10
147	Glial Nitric Oxide-Mediated Long-Term Presynaptic Facilitation Revealed by Optical Imaging in Rat Spinal Dorsal Horn. <i>Journal of Neuroscience</i> , 2004, 24, 9888-9896.	1.7	54
148	A constructive algorithm for training cooperative neural network ensembles. <i>IEEE Transactions on Neural Networks</i> , 2003, 14, 820-834.	4.8	245
149	Effects of corticotropin-releasing factor on plasticity of optically recorded neuronal activity in the substantia gelatinosa of rat spinal cord slices. <i>Pain</i> , 2003, 106, 197-207.	2.0	13
150	Inhibitory effect of caffeine on C-fibre-evoked excitation in the rat spinal dorsal horn recorded under Ca ²⁺ -free condition: an interaction with halothane. <i>Neuroscience Letters</i> , 2003, 336, 17-20.	1.0	2
151	Noradrenaline Excites and Inhibits GABAergic Transmission in Parvocellular Neurons of Rat Hypothalamic Paraventricular Nucleus. <i>Journal of Neurophysiology</i> , 2002, 87, 2287-2296.	0.9	80
152	Effect of halothane on neuronal excitation in the superficial dorsal horn of rat spinal cord slices: evidence for a presynaptic action. <i>European Journal of Neuroscience</i> , 2002, 15, 1278-1290.	1.2	12
153	Intrinsic optical signals in the dorsal horn of rat spinal cord slices elicited by brief repetitive stimulation. <i>European Journal of Neuroscience</i> , 2002, 15, 1737-1746.	1.2	9
154	A new algorithm to design compact two-hidden-layer artificial neural networks. <i>Neural Networks</i> , 2001, 14, 1265-1278.	3.3	98
155	Robust Changes of Afferent-Induced Excitation in the Rat Spinal Dorsal Horn After Conditioning High-Frequency Stimulation. <i>Journal of Neurophysiology</i> , 2000, 83, 2412-2420.	0.9	46
156	Robust Suppression of Afferent-Induced Excitation in the Rat Spinal Dorsal Horn After Conditioning Low-Frequency Stimulation. <i>Journal of Neurophysiology</i> , 1999, 82, 1957-1964.	0.9	25
157	Functional circuitry for the induction of prolonged excitation in the rat spinal dorsal horn. <i>European Journal of Neuroscience</i> , 1999, 11, 3355-3358.	1.2	10
158	Effects of dopamine agonists and antagonists on optical responses evoked in rat frontal cortex slices after stimulation of the subcortical white matter. <i>Experimental Brain Research</i> , 1999, 125, 383-388.	0.7	8
159	Optical responses evoked by single-pulse stimulation to the dorsal root in the rat spinal dorsal horn in slice. <i>Brain Research</i> , 1998, 812, 81-90.	1.1	33
160	Analysis of the scenery perceived by a real mobile robot Khepera. <i>Lecture Notes in Computer Science</i> , 1998, , 295-302.	1.0	1
161	Back-propagation learning of autonomous behavior: A mobile robot Khepera took a lesson from the future consequences. <i>Lecture Notes in Computer Science</i> , 1998, , 280-286.	1.0	3
162	Slow intrinsic optical signals in the rat spinal dorsal horn in slice. <i>NeuroReport</i> , 1998, 9, 3663-3667.	0.6	22

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163	Horizontal propagation of excitation in rat visual cortical slices revealed by optical imaging. <i>Science</i> , 1994, 266, 1057-1059.	6.0	146
164	Possible presence of the ATP-sensitive K ⁺ channel in isolated spinal dorsal horn neurons of the rat. <i>Neuroscience Letters</i> , 1994, 170, 208-212.	1.0	17
165	Optical imaging of the in vitro guinea pig piriform cortex activity using a voltage-sensitive dye. <i>Neuroscience Letters</i> , 1994, 165, 215-218.	1.0	38
166	The distribution of excitatory amino acid receptors on acutely dissociated dorsal horn neurons from postnatal rats. <i>Neuroscience</i> , 1993, 52, 159-167.	1.1	22
167	Effects of antagonists on response in acutely isolated nucleus tractus solitarii neurons of the rat. <i>Neuroscience Letters</i> , 1990, 113, 169-174.	1.0	25
168	Glycine-insensitive desensitization of receptors in acutely isolated mammalian central neurons. <i>Neuroscience Letters</i> , 1990, 108, 93-98.	1.0	33
169	Serotonin suppresses N-methyl-D-aspartate responses in acutely isolated spinal dorsal horn neurons of the rat. <i>Brain Research</i> , 1990, 525, 84-91.	1.1	223
170	Tachykinins modulate multiple ionic conductances in voltage-clamped rat spinal dorsal horn neurons. <i>Journal of Neurophysiology</i> , 1989, 61, 854-865.	0.9	82
171	Excitatory and inhibitory amino acids and peptide-induced responses in acutely isolated rat spinal dorsal horn neurons. <i>Neuroscience Letters</i> , 1989, 103, 56-63.	1.0	422
172	Cholinergic effects on spinal dorsal horn neurons in vitro: an intracellular study. <i>Brain Research</i> , 1989, 500, 12-20.	1.1	35
173	Actions of calcitonin gene-related peptide on rat spinal dorsal horn neurons. <i>Brain Research</i> , 1988, 441, 357-361.	1.1	126
174	Calcitonin gene-related peptide enhances calcium current of rat dorsal root ganglion neurons and spinal excitatory synaptic transmission. <i>Neuroscience Letters</i> , 1988, 89, 305-312.	1.0	84
175	Properties of glutamate channels in solitary horizontal cells of the goldfish retina. <i>Neuroscience Research Supplement: the Official Journal of the Japan Neuroscience Society</i> , 1987, 6, S175-S190.	0.0	7
176	Substance P augments a persistent slow inward calcium-sensitive current in voltage-clamped spinal dorsal horn neurons of the rat. <i>Brain Research</i> , 1986, 365, 369-376.	1.1	78
177	Actions of Cholecystokinin Octapeptide on Rat Spinal Dorsal Horn Neurons. <i>Annals of the New York Academy of Sciences</i> , 1985, 448, 385-402.	1.8	27
178	Actions of substance P on rat spinal dorsal horn neurones. <i>Journal of Physiology</i> , 1984, 346, 203-217.	1.3	140
179	Electrophysiological properties of rat spinal dorsal horn neurones in vitro: calcium-dependent action potentials. <i>Journal of Physiology</i> , 1983, 334, 141-153.	1.3	123
180	The actions of neuropeptides on dorsal horn neurons in the rat spinal cord slice preparation: an intracellular study. <i>Brain Research</i> , 1982, 234, 170-176.	1.1	157

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181	Vasoactive intestinal polypeptide excites mammalian dorsal horn neurons both in vivo and in vitro. Brain Research, 1982, 243, 158-164.	1.1	57
182	Convergence of coherent components of neural networks by positive correlation learning. , 0, , .		0
183	Ant Colony Optimization Toward Feature Selection. , 0, , .		9
184	Exploring constructive algorithms with stopping criteria to produce accurate and diverse individual neural networks in an ensemble. , 0, , .		5