Classifier Systems and the Animat Problem

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Citation Report

#	Article	IF	CITATIONS
1	Rule-based optimization of combustion in multiple-burner furnaces and boiler plants. Engineering Applications of Artificial Intelligence, 1988, 1, 203-209.	8.1	10
2	Adapting to Noise. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 79-84.	0.4	6
3	Adapting the rule-base. , 0, , .		0
4	An incremental genetic algorithm for real-time optimisation. , 0, , .		9
5	Simplicity and complexity in MIRROR universes. BioSystems, 1989, 23, 231-244.	2.0	7
6	Incremental Induction of Decision Trees. Machine Learning, 1989, 4, 161-186.	5.4	613
7	The machine learning of rules for combustion control in multiple burner installations. , 0, , .		5
8	Learning control rules. , 0, , .		0
9	Learning in a Noisy Domain. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 391-396.	0.4	0
10	Implementation of a genetic algorithm based associative classifier system (ACS). , 0, , .		2
11	Using genetic algorithms for supervised concept learning. , 0, , .		16
12	Boolean Feature Discovery in Empirical Learning. Machine Learning, 1990, 5, 71-99.	5.4	269
13	CSM: A Computational Model of Cumulative Learning. Machine Learning, 1990, 5, 383-406.	5.4	7
14	Learning Sequential Decision Rules Using Simulation Models and Competition. Machine Learning, 1990, 5, 355-381.	5.4	73
15	Probability Matching, the Magnitude of Reinforcement, and Classifier System Bidding. Machine Learning, 1990, 5, 407-425.	5.4	22
16	Letter Recognition Using Holland-Style Adaptive Classifiers. Machine Learning, 1991, 6, 161-182.	5.4	169
17	Learning to Perceive and Act by Trial and Error. Machine Learning, 1991, 7, 45-83.	5.4	129
18	The use of version space controlled genetic algorithms to solve the Boole problem. , 0, , .		1

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#	Article	IF	Citations
19	Hybal: A Self Tutoring Algorithm for Concept Learning in Highly Autonomous Systems. , 0, , .		3
20	Dynamic version spaces in machine learning. , 0, , .		4
21	Incorporating domain specific knowledge into version space search. , 0, , .		0
22	Learning Boolean Functions with Genetic Algorithms: A PAC Analysis. Foundations of Genetic Algorithms, 1993, , 257-275.	0.6	9
23	Using Coverage as a Model Building Constraint in Learning Classifier Systems. Evolutionary Computation, 1994, 2, 67-91.	3.0	31
24	Representational effects in a simple classifier system. , 1994, , .		1
25	MGI: an incremental bottom-up algorithm. , 0, , .		5
26	Genetic programming as a means for programming computers by natural selection. Statistics and Computing, 1994, 4, 87.	1.5	877
27	Hypothesis-Driven Constructive Induction in AQ17-HCI: A Method and Experiments. Machine Learning, 1994, 14, 139-168.	5.4	113
28	Autonomy, abduction, adaptation. , 0, , .		2
29	ALECSYS and the AutonoMouse: Learning to Control a Real Robot by Distributed Classifier Systems. Machine Learning, 1995, 19, 209-240.	5.4	23
30	Financial forecasting using genetic algorithms. Applied Artificial Intelligence, 1996, 10, 543-566.	3.2	131
31	Messy genetic algorithm learns a classifier to design multiplexers. , 0, , .		0
32	An approach for genetic synthesizer of binary decision diagram. , 0, , .		1
33	Incorporation of signal store into classifier systems: principle and experiments. , 0, , .		0
34	Genetic learning through simulation: An investigation in shop floor scheduling. Annals of Operations Research, 1998, 78, 1-29.	4.1	12
35	A reactive approach to classifier systems. , 0, , .		1
36	A new evolutionary approach to developing neural autonomous agents. , 0, , .		4

CITATION REPORT

#	Article	IF	CITATIONS
37	A timing analysis of convergence to fitness sharing equilibrium. Lecture Notes in Computer Science, 1998, , 23-33.	1.3	4
38	Co-evolving functions in genetic programming: Dynamic ADF creation using GliB. Lecture Notes in Computer Science, 1998, , 809-818.	1.3	3
39	Learning Classification Programs: The Genetic Algorithm Approach. Fundamenta Informaticae, 1998, 35, 163-177.	0.4	1
40	An Analysis of Generalization in the XCS Classifier System. Evolutionary Computation, 1999, 7, 125-149.	3.0	133
41	Learning and Evolution. Autonomous Robots, 1999, 7, 89-113.	4.8	123
42	A genetic classifier tool. , 0, , .		6
43	Evolutionary learning, reinforcement learning, and fuzzy rules for knowledge acquisition in agent-based systems. Proceedings of the IEEE, 2001, 89, 1334-1346.	21.3	19
44	A Theoretical Approach of an Intelligent Robot Gripper to Grasp Polygon Shaped Objects. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 31, 397-422.	3.4	10
45	Experiments on a Pittsburgh-style fuzzy classifier system for mobile robotics. , 0, , .		1
46	Learning Classifier Systems. Soft Computing, 2002, 6, 143-143.	3.6	20
47	Further experiments in Fuzzy Classifier Systems for mobile robot control. , 2003, , .		1
48	ATNoSFERES revisited. , 2005, , .		7
49	Two Simple Learning Classifier Systems. , 0, , 63-89.		30
50	Use of domain information to improve the performance of an evolutionary algorithm. , 2005, , .		3
51	Enhanced learning classifier system for robot navigation. , 2005, , .		12
52	Biotope: An Integrated Framework for Simulating Distributed Multiagent Computational Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2005, 35, 420-432.	2.9	6
53	Foundations of Learning Classifier Systems: An Introduction. , 0, , 1-17.		20
54	Learning classifier systems. , 2007, , .		6

CITATION REPORT

#	Article	IF	Citations
55	Combining Gradient-Based With Evolutionary Online Learning: An Introduction to Learning Classifier Systems. , 2007, , .		3
56	Collective behavior based hierarchical XCS. , 2007, , .		13
57	Learning Classifier Systems in Data Mining. Studies in Computational Intelligence, 2008, , .	0.9	21
58	Learning classifier systems. , 2008, , .		1
59	XCS for Personalizing Desktop Interfaces. IEEE Transactions on Evolutionary Computation, 2010, 14, 547-560.	10.0	9
60	Learning classifier systems. , 2010, , .		2
61	Learning classifier systems. , 2011, , .		0
62	Performance analysis of ABCMiner algorithm with different objective functions. , 2013, , .		4
63	<i>On Computational Ecosystems in Media Arts</i> . Leonardo, 2016, 49, 457-457.	0.3	1
64	The parasitic manipulation of an animat's behavior. Biologically Inspired Cognitive Architectures, 2017, 21, 67-74.	0.9	3
65	Robustness and Evolution in an Adaptive System Application on Classification Task. , 1993, , 463-470.		3
67	Quasi-Darwinian Learning in a Classifier System. , 1987, , 59-65.		21
68	Representation Generation in an Exploratory Learning System. , 1991, , 387-422.		2
69	Using Genetic Algorithms to Learn Disjunctive Rules from Examples. , 1990, , 149-152.		17
70	Peepholing: choosing attributes efficiently for megainduction. , 1992, , 49-54.		8
71	Iterated Prisoner's Dilemma and Evolutionary Game Theory. Advances in Natural Computation, 2007, , 23-62.	0.1	13
72	Evolutionary Computation in Behavior Engineering. , 1999, , 37-80.		7
73	Genetic Algorithms and Artificial Life. Artificial Life, 1994, 1, 267-289.	1.3	53

CITATION REPORT

		CITATION REPORT		
#	ARTICLE		IF	CITATIONS
74	An indexed bibliography of Genetic Algorithms. , 1995, , .			29
75	Cost-Sensitive Classification: Empirical Evaluation of a Hybrid Genetic Decision Tree In Algorithm. Journal of Artificial Intelligence Research, 0, 2, 369-409.	duction	7.0	389
77	Simulation of Adaptive Behavior in Animats: Review and Prospect. , 1991, , 2-14.			21
78	What Should a Classifier System Learn?. , 2004, , 97-123.			2
79	Symbiotic Evolution of Rule Based Classifiers. , 0, , .			0
80	ADAPTING TO NOISE. , 1989, , 79-84.			0
81	Evolution and Co-Evolution of Computer Programs to Control Independently-Acting A 366-375.	gents. , 1991, ,		19
82	Eight Principles for Building an Intelligent Robot. , 1991, , 462-464.			2
83	Combining Competition and Cooperation in Supervised Inductive Learning. , 1992, , 2	41-248.		1
84	Natural Niching for Evolving Cooperative Classifiers. , 1996, , .			5
85	Study based on Integer Linear Programming into Usefulness of Polysemy in 6-Multiple Transactions on Electronics, Information and Systems, 2016, 136, 299-307.	xer Problem. IEEJ	0.2	0
88	A Study of Structural and Parametric Learning in XCS. Evolutionary Computation, 200	6, 14, 1-19.	3.0	1