

Luis Moniz Pereira

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

2,222
citations

257101

24
h-index

329751

37
g-index

182
all docs

182
docs citations

182
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic updates of non-monotonic knowledge bases. The Journal of Logic Programming, 2000, 45, 43-70.	1.9	130
2	Evolving Logic Programs. Lecture Notes in Computer Science, 2002, , 50-62.	1.0	74
3	Prolog - the language and its implementation compared with Lisp. ACM SIGPLAN Notices, 1977, 12, 109-115.	0.2	66
4	Programming Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , .	0.2	56
5	Abduction in well-founded semantics and generalized stable models via tabled dual programs. Theory and Practice of Logic Programming, 2004, 4, 383-428.	1.1	54
6	Good Agreements Make Good Friends. Scientific Reports, 2013, 3, 2695.	1.6	53
7	Avoiding or restricting defectors in public goods games?. Journal of the Royal Society Interface, 2015, 12, 20141203.	1.5	51
8	Evolution of commitment and level of participation in public goods games. Autonomous Agents and Multi-Agent Systems, 2017, 31, 561-583.	1.3	50
9	Monotonic and Residuated Logic Programs. Lecture Notes in Computer Science, 2001, , 748-759.	1.0	49
10	Automated reasoning in geometry theorem proving with Prolog. Journal of Automated Reasoning, 1986, 2, 329-390.	1.1	47
11	A logic programming system for nonmonotonic reasoning. Journal of Automated Reasoning, 1995, 14, 93-147.	1.1	47
12	LUPS - A language for updating logic programs. Artificial Intelligence, 2002, 138, 87-116.	3.9	43
13	Apology and forgiveness evolve to resolve failures in cooperative agreements. Scientific Reports, 2015, 5, 10639.	1.6	43
14	Rational debugging in logic programming. Lecture Notes in Computer Science, 1986, , 203-210.	1.0	43
15	State-of-the-art of intention recognition and its use in decision making. AI Communications, 2013, 26, 237-246.	0.8	41
16	Corpus-Based Intention Recognition in Cooperation Dilemmas. Artificial Life, 2012, 18, 365-383.	1.0	38
17	Synergy between intention recognition and commitments in cooperation dilemmas. Scientific Reports, 2015, 5, 9312.	1.6	33
18	Evolution Prospection. Studies in Computational Intelligence, 2009, , 51-63.	0.7	33

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19	Non-monotonic reasoning with logic programming. The Journal of Logic Programming, 1993, 17, 227-263.	1.9	32
20	Generalizing updates: From models to programs. Lecture Notes in Computer Science, 1998, , 224-246.	1.0	27
21	Preferential theory revision. Journal of Applied Logic, 2007, 5, 586-601.	1.1	27
22	$\mathcal{M}\mathcal{I}\mathcal{N}\mathcal{E}\mathcal{R}\mathcal{V}\mathcal{A}$ - A Dynamic Logic Programming Agent Architecture. Lecture Notes in Computer Science, 2002, , 141-157.	1.0	26
23	Modelling morality with prospective logic. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 209.	0.1	25
24	Moral Reasoning under Uncertainty. Lecture Notes in Computer Science, 2012, , 212-227.	1.0	25
25	'Classical' Negation in Nonmonotonic Reasoning and Logic Programming. Journal of Automated Reasoning, 1998, 20, 107-142.	1.1	23
26	A Survey of Paraconsistent Semantics for Logic Programs. , 1998, , 241-320.		23
27	Modeling Morality with Prospective Logic. , 2011, , 398-421.		22
28	Strategies in Combined Learning via Logic Programs. Machine Learning, 2000, 38, 63-87.	3.4	20
29	Updates plus Preferences. Lecture Notes in Computer Science, 2000, , 345-360.	1.0	20
30	Diagnosis and debugging as contradiction removal in logic programs. Lecture Notes in Computer Science, 1993, , 183-197.	1.0	20
31	Intention Recognition via Causal Bayes Networks Plus Plan Generation. Lecture Notes in Computer Science, 2009, , 138-149.	1.0	20
32	REVISE: An Extended Logic Programming System for Revising Knowledge Bases. , 1994, , 607-618.		20
33	When agreement-accepting free-riders are a necessary evil for the evolution of cooperation. Scientific Reports, 2017, 7, 2478.	1.6	19
34	Hybrid Probabilistic Logic Programs as Residuated Logic Programs. Lecture Notes in Computer Science, 2000, , 57-72.	1.0	19
35	The extended stable models of contradiction removal semantics. Lecture Notes in Computer Science, 1991, , 105-119.	1.0	19
36	Modelling Morality with Prospective Logic. , 2007, , 99-111.		19

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37	Update-programms can update programs. Lecture Notes in Computer Science, 1997, , 110-131.	1.0	18
38	Mediating artificial intelligence developments through negative and positive incentives. PLoS ONE, 2021, 16, e0244592.	1.1	18
39	To Regulate or Not: A Social Dynamics Analysis of an Idealised AI Race. Journal of Artificial Intelligence Research, 0, 69, 881-921.	7.0	18
40	Prolog - the language and its implementation compared with Lisp. ACM SIGART Bulletin, 1977, , 109-115.	0.5	17
41	Intention Recognition with Evolution Prospection and Causal Bayes Networks. , 2011, , 1-33.		17
42	An encompassing framework for Paraconsistent Logic Programs. Journal of Applied Logic, 2005, 3, 67-95.	1.1	16
43	Evolution prospection in decision making. Intelligent Decision Technologies, 2009, 3, 157-171.	0.6	16
44	Antitonic Logic Programs. Lecture Notes in Computer Science, 2001, , 379-393.	1.0	15
45	Intention recognition, commitment and the evolution of cooperation. , 2012, , .		14
46	A Compilation of Updates plus Preferences. Lecture Notes in Computer Science, 2002, , 62-74.	1.0	14
47	Elder Care via Intention Recognition and Evolution Prospection. Lecture Notes in Computer Science, 2011, , 170-187.	1.0	14
48	Voluntary safety commitments provide an escape from over-regulation in AI development. Technology in Society, 2022, 68, 101843.	4.8	14
49	Abduction over 3-valued extended logic programs. Lecture Notes in Computer Science, 1995, , 29-42.	1.0	13
50	Counterfactuals, Logic Programming and Agent Morality. Logic, Argumentation & Reasoning, 2017, , 25-53.	0.1	13
51	Multi-dimensional Dynamic Knowledge Representation. Lecture Notes in Computer Science, 2001, , 365-378.	1.0	12
52	LUPS " A Language for Updating Logic Programs. Lecture Notes in Computer Science, 1999, , 162-176.	1.0	12
53	REVISE: Logic programming and diagnosis. Lecture Notes in Computer Science, 1997, , 353-362.	1.0	12
54	Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2020, , .	0.2	12

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55	Semantic Web Logic Programming Tools. Lecture Notes in Computer Science, 2003, , 16-32.	1.0	12
56	Contradiction: When avoidance equals removal Part I. Lecture Notes in Computer Science, 1994, , 11-23.	1.0	11
57	Prospective Storytelling Agents. Lecture Notes in Computer Science, 2010, , 294-296.	1.0	11
58	Default theory for Well Founded Semantics with explicit negation. , 1992, , 339-356.		10
59	Turing is among us. Journal of Logic and Computation, 2012, 22, 1257-1277.	0.5	10
60	INSPECTING AND PREFERRING ABDUCTIVE MODELS. , 2013, , 243-274.		10
61	Context-dependent incremental decision making scrutinizing the intentions of others via Bayesian network model construction. Intelligent Decision Technologies, 2013, 7, 293-317.	0.6	10
62	Emergence of cooperation via intention recognition, commitment and apology“ A“research summary. AI Communications, 2015, 28, 709-715.	0.8	10
63	Coherent Well-founded Annotated Logic Programs. Lecture Notes in Computer Science, 1999, , 262-276.	1.0	10
64	Prospective Logic Agents. , 2007, , 73-86.		10
65	A Logic Based Asynchronous Multi-Agent System. Electronic Notes in Theoretical Computer Science, 2002, 70, 72-88.	0.9	9
66	Prospective logic agents. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 200.	0.1	9
67	Modelling and Influencing the AI Bidding War. , 2019, , .		9
68	Psychiatric Diagnosis from the Viewpoint of Computational Logic. Lecture Notes in Computer Science, 2000, , 1362-1376.	1.0	9
69	Paraconsistent Logic Programs. Lecture Notes in Computer Science, 2002, , 345-356.	1.0	9
70	Artificial intelligence development races in heterogeneous settings. Scientific Reports, 2022, 12, 1723.	1.6	9
71	Prolegomena to logic programming for non-monotonic reasoning. Lecture Notes in Computer Science, 1997, , 1-36.	1.0	8
72	A deliberative and reactive diagnosis agent based on logic programming. Lecture Notes in Computer Science, 1997, , 293-307.	1.0	8

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73	Belief revision via Lamarckian evolution. <i>New Generation Computing</i> , 2003, 21, 247-275.	2.5	8
74	Incremental Tabling for Query-Driven Propagation of Logic Program Updates. <i>Lecture Notes in Computer Science</i> , 2013, , 694-709.	1.0	8
75	Contextual Abductive Reasoning with Side-Effects. <i>Theory and Practice of Logic Programming</i> , 2014, 14, 633-648.	1.1	7
76	Default negated conclusions: Why not?. <i>Lecture Notes in Computer Science</i> , 1996, , 103-117.	1.0	7
77	Bridging Two Realms of Machine Ethics. <i>Advances in Human and Social Aspects of Technology Book Series</i> , 2015, , 197-224.	0.3	7
78	Layered Models Top-Down Querying of Normal Logic Programs. <i>Lecture Notes in Computer Science</i> , 2008, , 254-268.	1.0	7
79	Belief Revision in Non-Monotonic Reasoning and Logic Programming. <i>Fundamenta Informaticae</i> , 1996, 28, 1-22.	0.3	6
80	Using Extended Logic Programming for Alarm-Correlation in Cellular Phone Networks. <i>Applied Intelligence</i> , 2002, 17, 187-202.	3.3	6
81	Epistemology and artificial intelligence. <i>Journal of Applied Logic</i> , 2004, 2, 469-493.	1.1	6
82	Preferring and updating in abductive multi-agent systems. <i>Lecture Notes in Computer Science</i> , 2001, , 57-73.	1.0	6
83	Logic Programming Updating - A Guided Approach. <i>Lecture Notes in Computer Science</i> , 2002, , 382-412.	1.0	6
84	Contradiction removal semantics with explicit negation. <i>Lecture Notes in Computer Science</i> , 1994, , 91-105.	1.0	6
85	A model theory for paraconsistent logic programming. <i>Lecture Notes in Computer Science</i> , 1995, , 377-386.	1.0	6
86	Adding closed world assumptions to well-founded semantics. <i>Theoretical Computer Science</i> , 1994, 122, 49-68.	0.5	5
87	A deliberative and reactive diagnosis agent based on logic programming. , 0, , .		5
88	Knowledge-based situated agents among us a preliminary report. <i>Lecture Notes in Computer Science</i> , 1997, , 375-389.	1.0	5
89	Philosophical incidence of logic programming. <i>Studies in Logic and Practical Reasoning</i> , 2002, , 425-448.	1.4	5
90	Methodological naturalism and epistemic internalism. <i>Synth�se</i> , 2008, 163, 315-328.	0.6	5

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91	Modelling decision making with probabilistic causation. Intelligent Decision Technologies, 2010, 4, 133-148.	0.6	5
92	Logic programming for modeling morality. Logic Journal of the IGPL, 2016, 24, 510-525.	1.3	5
93	On the Use of Multi-dimensional Dynamic Logic Programming to Represent Societal Agents™ Viewpoints. Lecture Notes in Computer Science, 2001, , 276-289.	1.0	5
94	Counterfactual Thinking in Cooperation Dynamics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2019, , 69-82.	0.2	5
95	Approved Models for Normal Logic Programs. , 2007, , 454-468.		5
96	Incremental Answer Completion in the SLG-WAM. Lecture Notes in Computer Science, 2009, , 519-524.	1.0	5
97	Cluster-Lift Method for Mapping Research Activities over a Concept Tree. Studies in Computational Intelligence, 2010, , 245-257.	0.7	5
98	Intention-Based Decision Making via Intention Recognition and its Applications. , 2013, , 174-211.		5
99	An argumentation theoretic semantics based on non-refutable falsity. Lecture Notes in Computer Science, 1995, , 3-22.	1.0	4
100	A Language for Multi-dimensional Updates. Electronic Notes in Theoretical Computer Science, 2002, 70, 20-38.	0.9	4
101	Inferring Definite-Clause Grammars to Express Multivariate Time Series. Lecture Notes in Computer Science, 2005, , 332-341.	1.0	4
102	Complex Systems of Mindful Entities: On Intention Recognition and Commitment. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2014, , 499-525.	0.2	4
103	Should I kill or rather not?. AI and Society, 2019, 34, 939-943.	3.1	4
104	Contextual Reasoning: Usually Birds Can Abductively Fly. Lecture Notes in Computer Science, 2017, , 64-77.	1.0	4
105	Constructing and Mapping Fuzzy Thematic Clusters to Higher Ranks in a Taxonomy. Lecture Notes in Computer Science, 2010, , 329-340.	1.0	4
106	A Well-Founded Semantics with Disjunction. Lecture Notes in Computer Science, 2005, , 341-355.	1.0	4
107	Program Updating by Incremental and Answer Subsumption Tabling. Lecture Notes in Computer Science, 2013, , 479-484.	1.0	4
108	Belief revision in non-monotonic reasoning. Lecture Notes in Computer Science, 1995, , 41-56.	1.0	4

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109	Using Extended Logic Programming for Alarm-Correlation in Cellular Phone Networks. Lecture Notes in Computer Science, 1999, , 343-352.	1.0	4
110	The Potential of Logic Programming as a Computational Tool to Model Morality. Cognitive Technologies, 2015, , 169-210.	0.5	4
111	Representing and reasoning about concurrent actions with abductive logic programs. Annals of Mathematics and Artificial Intelligence, 1997, 21, 245-303.	0.9	3
112	Tabling in contextual abduction with answer subsumption. , 2017, , .		3
113	Computing Environment-Aware Agent Behaviours with Logic Program Updates. Lecture Notes in Computer Science, 2002, , 216-232.	1.0	3
114	An Evolvable Rule-Based E-mail Agent. Lecture Notes in Computer Science, 2003, , 394-408.	1.0	3
115	Inspecting Side-Effects of Abduction in Logic Programs. Lecture Notes in Computer Science, 2011, , 148-163.	1.0	3
116	Evolving Multi-agent Viewpoints – An Architecture. Lecture Notes in Computer Science, 2001, , 169-182.	1.0	3
117	Enabling Agents to Update Their Knowledge and to Prefer. Lecture Notes in Computer Science, 2001, , 183-190.	1.0	3
118	Preferring and Updating in Logic-Based Agents. Lecture Notes in Computer Science, 2003, , 70-85.	1.0	3
119	An Architecture for a Rational Reactive Agent. Lecture Notes in Computer Science, 2003, , 379-393.	1.0	3
120	Layer Supported Models of Logic Programs. Lecture Notes in Computer Science, 2009, , 450-456.	1.0	3
121	A paraconsistent semantics with contradiction support detection. Lecture Notes in Computer Science, 1997, , 224-243.	1.0	3
122	Employing AI to Better Understand Our Morals. Entropy, 2022, 24, 10.	1.1	3
123	Common-sense reasoning as proto-scientific agent activity. Journal of Applied Logic, 2004, 2, 385-407.	1.1	2
124	Abductive Validation of a Power-Grid Expert System Diagnoser. Lecture Notes in Computer Science, 2004, , 838-847.	1.0	2
125	Evolving towards an evolutionary epistemology. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 68.	0.1	2
126	Observation strategies for event detection with incidence on runtime verification: theory, algorithms, experimentation. Annals of Mathematics and Artificial Intelligence, 2011, 62, 161-186.	0.9	2

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127	Partial Models of Extended Generalized Logic Programs. Lecture Notes in Computer Science, 2000, , 149-163.	1.0	2
128	Emergence of Cooperation Through Mutual Preference Revision. Lecture Notes in Computer Science, 2006, , 81-90.	1.0	2
129	On Preferring and Inspecting Abductive Models. Lecture Notes in Computer Science, 2008, , 1-15.	1.0	2
130	Contradiction: When avoidance equals removal Part II. Lecture Notes in Computer Science, 1994, , 268-281.	1.0	2
131	Counterfactuals in Critical Thinking with Application to Morality. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 279-289.	0.2	2
132	Bridging Two Realms of Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 159-165.	0.2	2
133	Belief, provability, and logic programs. , 1994, , 106-121.		1
134	A Hybrid Cluster-Lift Method for the Analysis of Research Activities. Lecture Notes in Computer Science, 2010, , 152-161.	1.0	1
135	Cyberculture, symbiosis, and syncretism. AI and Society, 2018, 33, 447-452.	3.1	1
136	A machine is cheaper than a human for the same task. AI and Society, 2019, , 1.	3.1	1
137	The carousel of ethical machinery. AI and Society, 2021, 36, 185-196.	3.1	1
138	From Logic Programming to Machine Ethics. , 2019, , 209-227.		1
139	A Logical Framework for Modelling eMAS. Lecture Notes in Computer Science, 2003, , 241-255.	1.0	1
140	Preference Revision Via Declarative Debugging. Lecture Notes in Computer Science, 2005, , 18-28.	1.0	1
141	Logic Programming Applied to Machine Ethics. Lecture Notes in Computer Science, 2015, , 414-422.	1.0	1
142	Modeling Morality Using Logic Programming. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 109-137.	0.2	1
143	Gödel and Computability. , 2007, , 63-72.		1
144	Knowledge assimilation in domains of actions: a possible causes approach. Journal of Applied Non-Classical Logics, 1997, 7, 77-116.	0.4	0

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145	THE LOGICAL IMPINGEMENT OF ARTIFICIAL INTELLIGENCE. Grazer Philosophische Studien, 1998, 56, 183-204.	0.6	0
146	Intelligent agents via joint tabling of logic program abduction and updating. , 2017, , .		0
147	A Portrait of a Scientist as a Computational Logician. Lecture Notes in Computer Science, 2002, , 1-4.	1.0	0
148	Adaptive Reasoning for Cooperative Agents. Lecture Notes in Computer Science, 2011, , 102-116.	1.0	0
149	Stabel Model Implementation of Layer Supported Models by Program Transformation. Lecture Notes in Computer Science, 2011, , 70-84.	1.0	0
150	Method for Intelligent Representation of Research Activities of an Organization over a Taxonomy of Its Field. Intelligent Systems Reference Library, 2012, , 423-454.	1.0	0
151	Declarative source debugging. Lecture Notes in Computer Science, 1991, , 237-249.	1.0	0
152	The Emergence of Artificial Autonomy. Advances in Human and Social Aspects of Technology Book Series, 2015, , 51-72.	0.3	0
153	Representing Morality in Logic Programming. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 29-45.	0.2	0
154	The Individual Realm of Machine Ethics: A Survey. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 7-18.	0.2	0
155	Tabling in Abduction and Updating. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 47-79.	0.2	0
156	Modeling Collective Morality via Evolutionary Game Theory. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 141-157.	0.2	0
157	Evolutionary Machine Ethics. , 2018, , 1-25.		0
158	Evolutionary Machine Ethics. , 2019, , 229-253.		0
159	Aside on Children and Youths, on Identity Construction in the Digital World. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2020, , 103-112.	0.2	0
160	Employing AI for Better Understanding Our Morals. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2020, , 121-134.	0.2	0
161	Collaborative vs. Conflicting Learning, Evolution and Argumentation. Studies in Computational Intelligence, 2008, , 61-89.	0.7	0