Luis Moniz Pereira

List of Publications by Year
in descending order

161 papers	**2,222** citations	293460 **24** h-index	371746 **37** g-index
182 all docs	**182** docs citations	**182** times ranked	**733** citing authors

#	Article	IF	Citations
1	Voluntary safety commitments provide an escape from over-regulation in AI development. Technology in Society, 2022, 68, 101843.	4.8	14
2	Artificial intelligence development races in heterogeneous settings. Scientific Reports, 2022, 12, 1723.	1.6	9
3	Employing AI to Better Understand Our Morals. Entropy, 2022, 24, 10.	1.1	3
4	The carousel of ethical machinery. AI and Society, 2021, 36, 185-196.	3.1	1
5	Mediating artificial intelligence developments through negative and positive incentives. PLoS ONE, 2021, 16, e0244592.	1.1	18
6	Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2020, , .	0.2	12
7	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
8	Employing AI for Better Understanding Our Morals. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2020, , 121-134.	0.2	0
9	Should I kill or rather not?. AI and Society, 2019, 34, 939-943.	3.1	4
10	Modelling and Influencing the AI Bidding War. , 2019, , .		9
11	A machine is cheaper than a human for the same task. AI and Society, 2019, , 1.	3.1	1
12	Counterfactual Thinking in Cooperation Dynamics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2019, , 69-82.	0.2	5
13	From Logic Programming to Machine Ethics. , 2019, , 209-227.		1
14	Evolutionary Machine Ethics. , 2019, , 229-253.		0
15	Cyberculture, symbiosis, and syncretism. AI and Society, 2018, 33, 447-452.	3.1	1
16	Evolutionary Machine Ethics. , 2018, , 1-25.		0
17	Evolution of commitment and level of participation in public goods games. Autonomous Agents and Multi-Agent Systems, 2017, 31, 561-583.	1.3	50
18	When agreement-accepting free-riders are a necessary evil for the evolution of cooperation. Scientific Reports, 2017, 7, 2478.	1.6	19

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19	Intelligent agents via joint tabling of logic program abduction and updating. , 2017, , .		0
20	Tabling in contextual abduction with answer subsumption. , 2017, , .		3
21	Counterfactuals, Logic Programming and Agent Morality. Logic, Argumentation & Reasoning, 2017, , 25-53.	0.1	13
22	Contextual Reasoning: Usually Birds Can Abductively Fly. Lecture Notes in Computer Science, 2017, , 64-77.	1.0	4
23	Logic programming for modeling morality. Logic Journal of the IGPL, 2016, 24, 510-525.	1.3	5
24	Programming Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , .	0.2	56
25	Representing Morality in Logic Programming. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 29-45.	0.2	0
26	Counterfactuals in Critical Thinking with Application to Morality. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 279-289.	0.2	2
27	The Individual Realm of Machine Ethics: A Survey. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 7-18.	0.2	0
28	Bridging Two Realms of Machine Ethics. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 159-165.	0.2	2
29	Tabling in Abduction and Updating. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 47-79.	0.2	0
30	Modeling Morality Using Logic Programming. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 109-137.	0.2	1
31	Modeling Collective Morality via Evolutionary Game Theory. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2016, , 141-157.	0.2	0
32	Apology and forgiveness evolve to resolve failures in cooperative agreements. Scientific Reports, 2015, 5, 10639.	1.6	43
33	Synergy between intention recognition and commitments in cooperation dilemmas. Scientific Reports, 2015, 5, 9312.	1.6	33
34	Emergence of cooperation via intention recognition, commitment and apologyâ€" Aâ€¯research summary. AI Communications, 2015, 28, 709-715.	0.8	10
35	Avoiding or restricting defectors in public goods games?. Journal of the Royal Society Interface, 2015, 12, 20141203.	1.5	51
36	Bridging Two Realms of Machine Ethics. Advances in Human and Social Aspects of Technology Book Series, 2015, , 197-224.	0.3	7

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37	The Emergence of Artificial Autonomy. Advances in Human and Social Aspects of Technology Book Series, 2015, , 51-72.	0.3	0
38	Logic Programming Applied to Machine Ethics. Lecture Notes in Computer Science, 2015, , 414-422.	1.0	1
39	The Potential of Logic Programming as a Computational Tool to Model Morality. Cognitive Technologies, 2015, , 169-210.	0.5	4
40	Complex Systems of Mindful Entities: On Intention Recognition and Commitment. Studies in Applied Philosophy, Epistemology and Rational Ethics, 2014, , 499-525.	0.2	4
41	Contextual Abductive Reasoning with Side-Effects. Theory and Practice of Logic Programming, 2014, 14, 633-648.	1.1	7
42	State-of-the-art of intention recognition and its use in decision making. AI Communications, 2013, 26, 237-246.	0.8	41
43	INSPECTING AND PREFERRING ABDUCTIVE MODELS. , 2013, , 243-274.		10
44	Good Agreements Make Good Friends. Scientific Reports, 2013, 3, 2695.	1.6	53
45	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
46	Intention-Based Decision Making via Intention Recognition and its Applications. , 2013, , 174-211.		5
47	Program Updating by Incremental and Answer Subsumption Tabling. Lecture Notes in Computer Science, 2013, , 479-484.	1.0	4
48	Incremental Tabling for Query-Driven Propagation of Logic Program Updates. Lecture Notes in Computer Science, 2013, , 694-709.	1.0	8
49	Turing is among us. Journal of Logic and Computation, 2012, 22, 1257-1277.	0.5	10
50	Corpus-Based Intention Recognition in Cooperation Dilemmas. Artificial Life, 2012, 18, 365-383.	1.0	38
51	Intention recognition, commitment and the evolution of cooperation. , 2012, , .		14
52	Moral Reasoning under Uncertainty. Lecture Notes in Computer Science, 2012, , 212-227.	1.0	25
53	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
54	Modeling Morality with Prospective Logic. , 2011, , 398-421.		22

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55	Intention Recognition with Evolution Prospection and Causal Bayes Networks. , 2011, , 1-33.		17
56	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
57	Elder Care via Intention Recognition and Evolution Prospection. Lecture Notes in Computer Science, 2011, , 170-187.	1.0	14
58	Inspecting Side-Effects of Abduction in Logic Programs. Lecture Notes in Computer Science, 2011, , 148-163.	1.0	3
59	Adaptive Reasoning for Cooperative Agents. Lecture Notes in Computer Science, 2011, , 102-116.	1.0	0
60	Stabel Model Implementation of Layer Supported Models by Program Transformation. Lecture Notes in Computer Science, 2011, , 70-84.	1.0	0
61	Modelling decision making with probabilistic causation. Intelligent Decision Technologies, 2010, 4, 133-148.	0.6	5
62	A Hybrid Cluster-Lift Method for the Analysis of Research Activities. Lecture Notes in Computer Science, 2010, , 152-161.	1.0	1
63	Cluster-Lift Method for Mapping Research Activities over a Concept Tree. Studies in Computational Intelligence, 2010, , 245-257.	0.7	5
64	Prospective Storytelling Agents. Lecture Notes in Computer Science, 2010, , 294-296.	1.0	11
65	Constructing and Mapping Fuzzy Thematic Clusters to Higher Ranks in a Taxonomy. Lecture Notes in Computer Science, 2010, , 329-340.	1.0	4
66	Evolution prospection in decision making. Intelligent Decision Technologies, 2009, 3, 157-171.	0.6	16
67	Evolving towards an evolutionary epistemology. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 68.	0.1	2
68	Prospective logic agents. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 200.	0.1	9
69	Modelling morality with prospective logic. International Journal of Reasoning-based Intelligent Systems, 2009, 1, 209.	0.1	25
70	Evolution Prospection. Studies in Computational Intelligence, 2009, , 51-63.	0.7	33
71	Incremental Answer Completion in the SLG-WAM. Lecture Notes in Computer Science, 2009, , 519-524.	1.0	5
72	Intention Recognition via Causal Bayes Networks Plus Plan Generation. Lecture Notes in Computer Science, 2009, , 138-149.	1.0	20

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73	Layer Supported Models of Logic Programs. Lecture Notes in Computer Science, 2009, , 450-456.	1.0	3
74	Methodological naturalism and epistemic internalism. SynthÃˆse, 2008, 163, 315-328.	0.6	5
75	Layered Models Top-Down Querying of Normal Logic Programs. Lecture Notes in Computer Science, 2008, , 254-268.	1.0	7
76	On Preferring and Inspecting Abductive Models. Lecture Notes in Computer Science, 2008, , 1-15.	1.0	2
77	Collaborative vs. Conflicting Learning, Evolution and Argumentation. Studies in Computational Intelligence, 2008, , 61-89.	0.7	0
78	Preferential theory revision. Journal of Applied Logic, 2007, 5, 586-601.	1.1	27
79	Approved Models for Normal Logic Programs. , 2007, , 454-468.		5
80	Prospective Logic Agents. , 2007, , 73-86.		10
81	Modelling Morality with Prospective Logic. , 2007, , 99-111.		19
82	GÃ¶del and Computability. , 2007, , 63-72.		1
83	Emergence of Cooperation Through Mutual Preference Revision. Lecture Notes in Computer Science, 2006, , 81-90.	1.0	2
84	Inferring Definite-Clause Grammars to Express Multivariate Time Series. Lecture Notes in Computer Science, 2005, , 332-341.	1.0	4
85	An encompassing framework for Paraconsistent Logic Programs. Journal of Applied Logic, 2005, 3, 67-95.	1.1	16
86	Preference Revision Via Declarative Debugging. Lecture Notes in Computer Science, 2005, , 18-28.	1.0	1
87	A Well-Founded Semantics with Disjunction. Lecture Notes in Computer Science, 2005, , 341-355.	1.0	4
88	Common-sense reasoning as proto-scientific agent activity. Journal of Applied Logic, 2004, 2, 385-407.	1.1	2
89	Epistemology and artificial intelligence. Journal of Applied Logic, 2004, 2, 469-493.	1.1	6
90	Abductive Validation of a Power-Grid Expert System Diagnoser. Lecture Notes in Computer Science, 2004, , 838-847.	1.0	2

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91	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
92	Belief revision via Lamarckian evolution. New Generation Computing, 2003, 21, 247-275.	2.5	8
93	Semantic Web Logic Programming Tools. Lecture Notes in Computer Science, 2003, , 16-32.	1.0	12
94	An Evolvable Rule-Based E-mail Agent. Lecture Notes in Computer Science, 2003, , 394-408.	1.0	3
95	A Logical Framework for Modelling eMAS. Lecture Notes in Computer Science, 2003, , 241-255.	1.0	1
96	Preferring and Updating in Logic-Based Agents. Lecture Notes in Computer Science, 2003, , 70-85.	1.0	3
97	An Architecture for a Rational Reactive Agent. Lecture Notes in Computer Science, 2003, , 379-393.	1.0	3
98	Philosophical incidence of logic programming. Studies in Logic and Practical Reasoning, 2002, , 425-448.	1.4	5
99	A Logic Based Asynchronous Multi-Agent System. Electronic Notes in Theoretical Computer Science, 2002, 70, 72-88.	0.9	9
100	A Language for Multi-dimensional Updates. Electronic Notes in Theoretical Computer Science, 2002, 70, 20-38.	0.9	4
101	LUPSâ€"A language for updating logic programs. Artificial Intelligence, 2002, 138, 87-116.	3.9	43
102	Using Extended Logic Programming for Alarm-Correlation in Cellular Phone Networks. Applied Intelligence, 2002, 17, 187-202.	3.3	6
103	$$ \mathcal{M}\mathcal{I}\mathcal{N}\mathcal{E}\mathcal{R}\mathcal{V}\mathcal{A} $$- A Dynamic Logic Programming Agent Architecture. Lecture Notes in Computer Science, 2002, , 141-157.	1.0	26
104	Computing Environment-Aware Agent Behaviours with Logic Program Updates. Lecture Notes in Computer Science, 2002, , 216-232.	1.0	3
105	Logic Programming Updating - A Guided Approach. Lecture Notes in Computer Science, 2002, , 382-412.	1.0	6
106	Paraconsistent Logic Programs. Lecture Notes in Computer Science, 2002, , 345-356.	1.0	9
107	Evolving Logic Programs. Lecture Notes in Computer Science, 2002, , 50-62.	1.0	74
108	A Compilation of Updates plus Preferences. Lecture Notes in Computer Science, 2002, , 62-74.	1.0	14

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109	A Portrait of a Scientist as a Computational Logician. Lecture Notes in Computer Science, 2002, , 1-4.	1.0	0
110	Monotonic and Residuated Logic Programs. Lecture Notes in Computer Science, 2001, , 748-759.	1.0	49
111	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
112	Multi-dimensional Dynamic Knowledge Representation. Lecture Notes in Computer Science, 2001, , 365-378.	1.0	12
113	Antitonic Logic Programs. Lecture Notes in Computer Science, 2001, , 379-393.	1.0	15
114	Preferring and updating in abductive multi-agent systems. Lecture Notes in Computer Science, 2001, , 57-73.	1.0	6
115	Evolving Multi-agent Viewpoints â€" An Architecture. Lecture Notes in Computer Science, 2001, , 169-182.	1.0	3
116	Enabling Agents to Update Their Knowledge and to Prefer. Lecture Notes in Computer Science, 2001, , 183-190.	1.0	3
117	Dynamic updates of non-monotonic knowledge bases. The Journal of Logic Programming, 2000, 45, 43-70.	1.9	130
118	Strategies in Combined Learning via Logic Programs. Machine Learning, 2000, 38, 63-87.	3.4	20
119	Updates plus Preferences. Lecture Notes in Computer Science, 2000, , 345-360.	1.0	20
120	Hybrid Probabilistic Logic Programs as Residuated Logic Programs. Lecture Notes in Computer Science, 2000, , 57-72.	1.0	19
121	Psychiatric Diagnosis from the Viewpoint of Computational Logic. Lecture Notes in Computer Science, 2000, , 1362-1376.	1.0	9
122	Partial Models of Extended Generalized Logic Programs. Lecture Notes in Computer Science, 2000, , 149-163.	1.0	2
123	LUPS â€" A Language for Updating Logic Programs. Lecture Notes in Computer Science, 1999, , 162-176.	1.0	12
124	Coherent Well-founded Annotated Logic Programs. Lecture Notes in Computer Science, 1999, , 262-276.	1.0	10
125	Using Extended Logic Programming for Alarm-Correlation in Cellular Phone Networks. Lecture Notes in Computer Science, 1999, , 343-352.	1.0	4
126	'Classical' Negation in Nonmonotonic Reasoning and Logic Programming. Journal of Automated Reasoning, 1998, 20, 107-142.	1.1	23

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127	THE LOGICAL IMPINGEMENT OF ARTIFICIAL INTELLIGENCE. Grazer Philosophische Studien, 1998, 56, 183-204.	0.6	0
128	Generalizing updates: From models to programs. Lecture Notes in Computer Science, 1998, , 224-246.	1.0	27
129	A Survey of Paraconsistent Semantics for Logic Programs. , 1998, , 241-320.		23
130	Knowledge assimilation in domains of actions: a possible causes approach. Journal of Applied Non-Classical Logics, 1997, 7, 77-116.	0.4	0
131	Prolegomena to logic programming for non-monotonic reasoning. Lecture Notes in Computer Science, 1997, , 1-36.	1.0	8
132	Knowledge-based situated agents among us a preliminary report. Lecture Notes in Computer Science, 1997, , 375-389.	1.0	5
133	Update-programms can update programs. Lecture Notes in Computer Science, 1997, , 110-131.	1.0	18
134	A deliberative and reactive diagnosis agent based on logic programming. Lecture Notes in Computer Science, 1997, , 293-307.	1.0	8
135	Representing and reasoning about concurrent actions with abductive logic programs. Annals of Mathematics and Artificial Intelligence, 1997, 21, 245-303.	0.9	3
136	REVISE: Logic programming and diagnosis. Lecture Notes in Computer Science, 1997, , 353-362.	1.0	12
137	A paraconsistent semantics with contradiction support detection. Lecture Notes in Computer Science, 1997, , 224-243.	1.0	3
138	Belief Revision in Non-Monotonic Reasoning and Logic Programming. Fundamenta Informaticae, 1996, 28, 1-22.	0.3	6
139	Default negated conclusions: Why not?. Lecture Notes in Computer Science, 1996, , 103-117.	1.0	7
140	An argumentation theoretic semantics based on non-refutable falsity. Lecture Notes in Computer Science, 1995, , 3-22.	1.0	4
141	A logic programming system for nonmonotonic reasoning. Journal of Automated Reasoning, 1995, 14, 93-147.	1.1	47
142	Abduction over 3-valued extended logic programs. Lecture Notes in Computer Science, 1995, , 29-42.	1.0	13
143	A model theory for paraconsistent logic programming. Lecture Notes in Computer Science, 1995, , 377-386.	1.0	6
144	Belief revision in non-monotonic reasoning. Lecture Notes in Computer Science, 1995, , 41-56.	1.0	4

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145	Adding closed world assumptions to well-founded semantics. Theoretical Computer Science, 1994, 122, 49-68.	0.5	5
146	Belief, provability, and logic programs. , 1994, , 106-121.		1
147	Contradiction: When avoidance equals removal Part I. Lecture Notes in Computer Science, 1994, , 11-23.	1.0	11
148	Contradiction removal semantics with explicit negation. Lecture Notes in Computer Science, 1994, , 91-105.	1.0	6
149	REVISE: An Extended Logic Programming System for Revising Knowledge Bases. , 1994, , 607-618.		20
150	Contradiction: When avoidance equals removal Part II. Lecture Notes in Computer Science, 1994, , 268-281.	1.0	2
151	Non-monotonic reasoning with logic programming. The Journal of Logic Programming, 1993, 17, 227-263.	1.9	32
152	Diagnosis and debugging as contradiction removal in logic programs. Lecture Notes in Computer Science, 1993, , 183-197.	1.0	20
153	Default theory for Well Founded Semantics with explicit negation. , 1992, , 339-356.		10
154	The extended stable models of contradiction removal semantics. Lecture Notes in Computer Science, 1991, , 105-119.	1.0	19
155	Declarative source debugging. Lecture Notes in Computer Science, 1991, , 237-249.	1.0	0
156	Automated reasoning in geometry theorem proving with Prolog. Journal of Automated Reasoning, 1986, 2, 329-390.	1.1	47
157	Rational debugging in logic programming. Lecture Notes in Computer Science, 1986, , 203-210.	1.0	43
158	Prolog - the language and its implementation compared with Lisp. ACM SIGART Bulletin, 1977, , 109-115.	0.5	17
159	Prolog - the language and its implementation compared with Lisp. ACM SIGPLAN Notices, 1977, 12, 109-115.	0.2	66
160	A deliberative and reactive diagnosis agent based on logic programming. , 0, , .		5
161	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