Alessandra Russo

List of Publications by Year
in descending order

129 papers	2,641 citations
257450 24 h-index	254184 43 g-index
136 all docs	136 docs citations
136 times ranked	2872 citing authors

#	Article	IF	Citations
1	Detect, Understand, Act: A Neuro-symbolic Hierarchical Reinforcement Learning Framework. Machine Learning, 2022, 111, 1523-1549.	5.4	3
2	ASIA: Automated Social Identity Assessment using linguistic style. Behavior Research Methods, 2021, 53, 1762-1781.	4.0	5
3	Antioxidant and Anti-Proliferative Activity of Essential Oil and Main Components from Leaves of Aloysia polystachya Harvested in Central Chile. Molecules, 2021, 26, 131.	3.8	18
4	Towards Neural-Symbolic Learning to support Human-Agent Operations. , 2021, , .		0
5	Online Symbolic Learning of Policies for Explainable Security. , 2021, , .		0
6	Model-based software quality assurance tools and techniques presented at FASE 2018. International Journal on Software Tools for Technology Transfer, 2020, 22, 1-2.	1.9	0
7	Introduction to the 36th International Conference on Logic Programming Special Issue I. Theory and Practice of Logic Programming, 2020, 20, 587-592.	1.5	0
8	Introduction to the 36th International Conference on Logic Programming Special Issue II. Theory and Practice of Logic Programming, 2020, 20, 815-817.	1.5	0
9	Polisma - A Framework for Learning Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2020, , 523-544.	1.3	14
10	Policy based ensembles for multi domain operations. , 2020, , .		1
11	Using an ASG Based Generative Policy to Model Human Rules. , 2019, , .		2
12	Carveoylphenols and Their Antifungal Potential against Pathogenic Yeasts. Antibiotics, 2019, 8, 185.	3.7	4
13	Methods and Tools for Policy Analysis. ACM Computing Surveys, 2019, 51, 1-35.	23.0	30
14	Towards a Neural-Symbolic Generative Policy Model. , 2019, , .		1
15	Generative Policies for Coalition Systems - A Symbolic Learning Framework. , 2019, , .		2
16	A Comparison Between Statistical and Symbolic Learning Approaches for Generative Policy Models. , 2019, , .		0
17	Representing and Learning Grammars in Answer Set Programming. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 2919-2928.	4.9	16
18	A Generative Policy Model for Connected and Autonomous Vehicles. , 2019, , .		7

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19	AGENP: An ASGrammar-based GENerative Policy Framework. Lecture Notes in Computer Science, 2019, , 3-20.	1.3	7
20	Logic-Based Learning of Answer Set Programs. Lecture Notes in Computer Science, 2019, , 196-231.	1.3	9
21	The complexity and generality of learning answer set programs. Artificial Intelligence, 2018, 259, 110-146.	5.8	26
22	Preface to the special issue on inductive logic programming. Machine Learning, 2018, 107, 1095-1096.	5.4	0
23	Optimizing Resource Allocation for Virtualized Network Functions in a Cloud Center Using Genetic Algorithms. IEEE Transactions on Network and Service Management, 2017, 14, 343-356.	4.9	119
24	Community-based self generation of policies and processes for assets: Concepts and research directions. , 2017, , .		9
25	Learning to share: Engineering adaptive decision-support for online social networks. , 2017, , .		4
26	Integration of flow studies for robust selection of mechanoresponsive genes. Thrombosis and Haemostasis, 2016, 115, 474-483.	3.4	14
27	Iterative Learning of Answer Set Programs from Context Dependent Examples. Theory and Practice of Logic Programming, 2016, 16, 834-848.	1.5	23
28	Privacy dynamics. , 2016, , .		21
29	Risk-driven revision of requirements models. , 2016, , .		8
30	Logic-based learning in software engineering. , 2016, , .		1
31	Probabilistic abductive logic programming using Dirichlet priors. International Journal of Approximate Reasoning, 2016, 78, 223-240.	3.3	4
32	Declarative Framework for Specification, Simulation and Analysis of Distributed Applications. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1489-1502.	5.7	3
33	Collaborative Explanation and Response in Assisted Living Environments Enhanced with Humanoid Robots. , 2016, , .		0
34	Learning weak constraints in answer set programming. Theory and Practice of Logic Programming, 2015, 15, 511-525.	1.5	15
35	Experimental results on the use of genetic algorithms for scaling virtualized network functions. , 2015, , .		31
36	Automated support for diagnosis and repair. Communications of the ACM, 2015, 58, 65-72.	4.5	14

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37	Psoralea glandulosa as a Potential Source of Anticancer Agents for Melanoma Treatment. International Journal of Molecular Sciences, 2015, 16, 7944-7959.	4.1	20
38	Detecting distributed signature-based intrusion: The case of multi-path routing attacks. , 2015, , .		16
39	Towards making network function virtualization a cloud computing service. , 2015, , .		65
40	An Approach for Collective Adaptation in Socio-Technical Systems. , 2015, , .		8
41	Inductive Learning Using Constraint-Driven Bias. Lecture Notes in Computer Science, 2015, , 16-32.	1.3	3
42	Integrating Privacy and Safety Criteria into Planning Tasks. Lecture Notes in Computer Science, 2015, , 20-36.	1.3	0
43	Learning to recognise disruptive smartphone notifications. , 2014, , .		12
44	When did your smartphone bother you last?. , 2014, , .		2
45	Learning User Behaviours in Real Mobile Domains. , 2014, , 43-51.		1
46	Inductive Learning of Answer Set Programs. Lecture Notes in Computer Science, 2014, , 311-325.	1.3	46
47	Learning Through Hypothesis Refinement Using Answer Set Programming. Lecture Notes in Computer Science, 2014, , 31-46.	1.3	11
48	Supporting incremental behaviour model elaboration. Computer Science - Research and Development, 2013, 28, 279-293.	2.7	12
49	Chemical composition and anticancer activity of essential oils of Mediterranean sage (Salvia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 42-47.	3.6	172
50	Learning revised models for planning in adaptive systems. , 2013, , .		30
51	Computational alignment of goals and scenarios for complex systems. , 2013, , .		1
52	Elaborating Requirements Using Model Checking and Inductive Learning. IEEE Transactions on Software Engineering, 2013, 39, 361-383.	5.6	22
53	A declarative approach to distributed computing: Specification, execution and analysis. Theory and Practice of Logic Programming, 2013, 13, 815-830.	1.5	9
54	Handling Change in Normative Specifications. Lecture Notes in Computer Science, 2013, , 1-19.	1.3	5

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55	On Minimality and Integrity Constraints in Probabilistic Abduction. Lecture Notes in Computer Science, 2013, , 759-775.	1.3	1
56	Phytochemical Profile and Apoptotic Activity of Onopordum cynarocephalum. Planta Medica, 2012, 78, 1651-1660.	1.3	18
57	Foundations of Logic-Based Trust Management. , 2012, , .		8
58	Biochemical modifications in Pinus pinaster Ait. as a result of environmental pollution. Environmental Science and Pollution Research, 2012, 19, 3850-3858.	5.3	7
59	Learning Stochastic Models of Information Flow. , 2012, , .		20
60	Generating obstacle conditions for requirements completeness. , 2012, , .		21
61	A new jasmonic acid stereoisomeric derivative induces apoptosis via reactive oxygen species in human prostate cancer cells. Cancer Letters, 2012, 326, 199-205.	7.2	20
62	Learning from Vacuously Satisfiable Scenario-Based Specifications. Lecture Notes in Computer Science, 2012, , 377-393.	1.3	10
63	Declarative Distributed Computing. Lecture Notes in Computer Science, 2012, , 454-470.	1.3	3
64	Inductive Logic Programming in Answer Set Programming. Lecture Notes in Computer Science, 2012, , 91-97.	1.3	32
65	Integrating Model Checking and Inductive Logic Programming. Lecture Notes in Computer Science, 2012, , 45-60.	1.3	2
66	Boldo prevents UV light and nitric oxide-mediated plasmid DNA damage and reduces the expression of Hsp70 protein in melanoma cancer cells. Journal of Pharmacy and Pharmacology, 2011, 63, 1219-1229.	2.4	16
67	Normative design using inductive learning. Theory and Practice of Logic Programming, 2011, 11, 783-799.	1.5	18
68	New stereoisomeric derivatives of jasmonic acid generated by biotransformation with the fungus Gibberella fujikuroi affect the viability of human cancer cells. Electronic Journal of Biotechnology, 2011, 14, .	2.2	5
69	Revising Process Models through Inductive Learning. Lecture Notes in Business Information Processing, 2011, , 182-193.	1.0	5
70	Distributed Abductive Reasoning with Constraints. Lecture Notes in Computer Science, 2011, , 148-166.	1.3	3
71	Refinement of History-Based Policies. Lecture Notes in Computer Science, 2011, , 280-299.	1.3	5
72	Norm Refinement and Design through Inductive Learning. Lecture Notes in Computer Science, 2011, , 77-94.	1.3	3

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73	Probabilistic Rule Learning in Nonmonotonic Domains. Lecture Notes in Computer Science, 2011, , 243-258.	1.3	12
74	Belief Revision. , 2011, , 1-114.		3
75	Speculative constraint processing for hierarchical agents. AI Communications, 2010, 23, 373-388.	1.2	2
76	Decomposition techniques for policy refinement. , 2010, , .		9
77	Revision, Acceptability and Context. Cognitive Technologies, 2010, , .	0.8	10
78	Object-Level Deletion. Cognitive Technologies, 2010, , 271-358.	0.8	0
79	Iterating Revision. Cognitive Technologies, 2010, , 105-137.	0.8	1
80	Stepwise Revision Operations. Cognitive Technologies, 2010, , 55-103.	0.8	0
81	Revision by Translation. Cognitive Technologies, 2010, , 223-270.	0.8	0
82	Algorithmic Context Revision. Cognitive Technologies, 2010, , 177-222.	0.8	0
83	On the Implementation of Speculative Constraint Processing. Lecture Notes in Computer Science, 2010, , 178-195.	1.3	1
84	Introducing Revision Theory. Cognitive Technologies, 2010, , 13-54.	0.8	0
85	Structured Revision: Non-linear Methods for Information Change. Cognitive Technologies, 2010, , 139-176.	0.8	0
86	Conclusions and Discussions. Cognitive Technologies, 2010, , 359-375.	0.8	0
87	Background and Overview. Cognitive Technologies, 2010, , 1-12.	0.8	0
88	Expressive policy analysis with enhanced system dynamicity. , 2009, , .		54
89	Policy conflict analysis for diffserv quality of service management. IEEE Transactions on Network and Service Management, 2009, 6, 15-30.	4.9	30
90	Effect of litreol on the viability of human cancer cells. Chemico-Biological Interactions, 2009, 179, 178-184.	4.0	13

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91	Genista sessilifolia DC. and Genista tinctoria L. inhibit UV light and nitric oxide-induced DNA damage and human melanoma cell growth. Chemico-Biological Interactions, 2009, 180, 211-219.	4.0	34
92	Essential oils of Salvia bracteata and Salvia rubifolia from Lebanon: Chemical composition, antimicrobial activity and inhibitory effect on human melanoma cells. Journal of Ethnopharmacology, 2009, 126, 265-272.	4.1	121
93	Using argumentation logic for firewall configuration management. , 2009, , .		31
94	Learning operational requirements from goal models. , 2009, , .		66
95	Learning Rules from User Behaviour. IFIP Advances in Information and Communication Technology, 2009, , 459-468.	0.7	14
96	SAGE: A Logical Agent-Based Environment Monitoring and Control System. Lecture Notes in Computer Science, 2009, , 112-117.	1.3	23
97	Security policy refinement using data integration. , 2009, , .		4
98	DARE: a system for distributed abductive reasoning. Autonomous Agents and Multi-Agent Systems, 2008, 16, 271-297.	2.1	15
99	Deriving Non-zeno Behavior Models from Goal Models Using ILP. , 2008, , 1-15.		4
100	BELIEF REVISION IN NON-CLASSICAL LOGICS. Review of Symbolic Logic, 2008, 1, 267-304.	0.7	14
101	Towards Learning Privacy Policies. , 2007, , .		0
102	Nonâ€Phenolic Dicinnamamides from <i>Pholiota Spumosa</i>: Isolation, Synthesis and Antitumour Activity. European Journal of Organic Chemistry, 2007, 2007, 5551-5559.	2.4	13
103	Policy refinement for IP differentiated services Quality of Service management. IEEE Transactions on Network and Service Management, 2006, 3, 2-13.	4.9	21
104	Pannarin inhibits cell growth and induces cell death in human prostate carcinoma DU-145 cells. Anti-Cancer Drugs, 2006, 17, 1163-1169.	1.4	69
105	Genistin inhibits UV light-induced plasmid DNA damage and cell growth in human melanoma cells. Journal of Nutritional Biochemistry, 2006, 17, 103-108.	4.2	75
106	Antiproliferative Activity of Pteleopsis suberosa Leaf Extract and its Flavonoid Components in Human Prostate Carcinoma Cells. Planta Medica, 2006, 72, 604-610.	1.3	34
107	Inferring operational requirements from scenarios and goal models using inductive learning. , 2006, , .		3
108	Extracting Requirements from Scenarios with ILP. Lecture Notes in Computer Science, 2006, , 64-78.	1.3	8

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109	Ochratoxin A-induced DNA damage in human fibroblast: protective effect of cyanidin 3-O-Î²-d-glucoside. Journal of Nutritional Biochemistry, 2005, 16, 31-37.	4.2	55
110	Antioxidant activity and antiproliferative action of methanolic extract of Geum quellyon Sweet roots in human tumor cell lines. Journal of Ethnopharmacology, 2005, 100, 323-332.	4.1	67
111	Generalised Kernel Sets for Inverse Entailment. Lecture Notes in Computer Science, 2004, , 165-179.	1.3	1
112	Reasoning About Requirements Evolution Using Clustered Belief Revision. Lecture Notes in Computer Science, 2004, , 41-51.	1.3	6
113	Free radical scavenging capacity and protective effect ofBacopa monniera L. on DNA damage. Phytotherapy Research, 2003, 17, 870-875.	5.8	140
114	Effect of propolis on human cartilage and chondrocytes. Life Sciences, 2003, 73, 1027-1035.	4.3	46
115	Nitric oxide-related toxicity in cultured astrocytes: effect of Bacopa monniera. Life Sciences, 2003, 73, 1517-1526.	4.3	89
116	Hybrid Abductive Inductive Learning: A Generalisation of Progol. Lecture Notes in Computer Science, 2003, , 311-328.	1.3	28
117	Effect of piperine, the active ingredient of black pepper, on intestinal secretion in mice. Life Sciences, 2002, 71, 2311-2317.	4.3	36
118	The role of the phenethyl ester of caffeic acid (CAPE) in the inhibition of rat lung cyclooxygenase activity by propolis. FÃ¬toterapÃ¬Ã¢, 2002, 73, S30-S37.	2.2	52
119	Improved antioxidant effect of idebenone-loaded polyethyl-2-cyanoacrylate nanocapsules tested on human fibroblasts. Pharmaceutical Research, 2002, 19, 71-78.	3.5	26
120	An Abductive Approach for Analysing Event-Based Requirements Specifications. Lecture Notes in Computer Science, 2002, , 22-37.	1.3	32
121	Making inconsistency respectable in software development. Journal of Systems and Software, 2001, 58, 171-180.	4.5	114
122	Biological effects of tiagabine on primary cortical astrocyte cultures of rat. Neuroscience Letters, 2000, 288, 49-52.	2.1	14
123	ETâ€18â€OCH3â€induced cytotoxicity and DNA damage in rat astrocytes. International Journal of Developmental Neuroscience, 2000, 18, 545-555.	1.6	12
124	Glutamine synthetase activity and HSP70 levels in cultured rat astrocytes: effect of 1-octadecyl-2-methyl-rac-glycero-3-phosphocholine. Brain Research, 1998, 783, 143-150.	2.2	24
125	Stress Proteins and SH-Groups in Oxidant-Induced Cellular Injury After Chronic Ethanol Administration in Rat. Free Radical Biology and Medicine, 1998, 24, 1159-1167.	2.9	87
126	Grafting Modalities onto Substructural Implication Systems. Studia Logica, 1997, 59, 65-102.	0.6	12

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127	Induction and Exploitation of Subgoal Automata for Reinforcement Learning. Journal of Artificial Intelligence Research, 0, 70, 1031-1116.	7.0	11
128	Policy Technologies for Security Management in Coalition Networks. , 0, , 146-173.		1
129	Policy Technologies for Security Management in Coalition Networks. , 0, , 750-776.		0