

Stefano Ferilli

List of Publications by Year in descending order

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116
papers

744
citations

643344

15
h-index

759306

22
g-index

131
all docs

131
docs citations

131
times ranked

466
citing authors

#	ARTICLE	IF	CITATIONS
1	Holistic graph-based document representation and management for open science. International Journal on Digital Libraries, 2023, 24, 205-227.	1.1	2
2	Abduction with probabilistic logic programming under the distribution semantics. International Journal of Approximate Reasoning, 2022, 142, 41-63.	1.9	11
3	Understanding Coding Behavior: An Incremental Process Mining Approach. Electronics (Switzerland), 2022, 11, 389.	1.8	3
4	Experiences on the Improvement of Logic-Based Anaphora Resolution in English Texts. Electronics (Switzerland), 2022, 11, 372.	1.8	3
5	Ambient Assisted Living and Social Robots: Towards Learning Relations between User's Daily Routines and Mood. , 2022, , .		1
6	INTRODUCING KEPLAIR - A PLATFORM FOR INDEPENDENT LEARNERS. EDULEARN Proceedings, 2021, , .	0.0	1
7	Automatic Multilingual Stopwords Identification from Very Small Corpora. Electronics (Switzerland), 2021, 10, 2169.	1.8	4
8	Introducing General Argumentation Frameworks and Their Use. Lecture Notes in Computer Science, 2021, , 136-153.	1.0	1
9	Integration Strategy and Tool between Formal Ontology and Graph Database Technology. Electronics (Switzerland), 2021, 10, 2616.	1.8	11
10	Process Model Modularization by Subprocess Discovery. , 2020, , .		0
11	Incremental Declarative Process Mining with WoMan. , 2020, , .		3
12	Activity prediction in process mining using the WoMan framework. Journal of Intelligent Information Systems, 2019, 53, 93-112.	2.8	9
13	Towards a Process Mining Approach to Grammar Induction for Digital Libraries. Communications in Computer and Information Science, 2019, , 291-303.	0.4	0
14	Learning and Predicting User Pairwise Preferences from Emotions and Gaze Behavior. , 2019, , .		3
15	An Abstract Argumentation-Based Approach to Automatic Extractive Text Summarization. Communications in Computer and Information Science, 2018, , 57-68.	0.4	5
16	A Process Mining Approach to the Identification of Normal and Suspect Traffic Behavior. Advances in Intelligent Systems and Computing, 2018, , 37-56.	0.5	2
17	A multi-strategy approach to structural analogy making. Journal of Intelligent Information Systems, 2018, 50, 1-28.	2.8	6
18	Exploring Abstract Argumentation-Based Approaches to Tackle Inconsistent Observations in Inductive Logic Programming. Lecture Notes in Computer Science, 2018, , 279-292.	1.0	1

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19	A Visual Analytic Approach to Analyze Highway Vehicular Traffic. , 2018, , .		2
20	Extending expressivity and flexibility of abductive logic programming. Journal of Intelligent Information Systems, 2018, 51, 647-672.	2.8	4
21	A Similarity-Based Abstract Argumentation Approach to Extractive Text Summarization. Lecture Notes in Computer Science, 2017, , 87-100.	1.0	3
22	Simulating empathic behavior in a social assistive robot. Multimedia Tools and Applications, 2017, 76, 5073-5094.	2.6	39
23	On the Gradual Acceptability of Arguments in Bipolar Weighted Argumentation Frameworks with Degrees of Trust. Lecture Notes in Computer Science, 2017, , 195-204.	1.0	4
24	Extended Process Models for Activity Prediction. Lecture Notes in Computer Science, 2017, , 368-377.	1.0	7
25	A Statistical Approach to Speaker Identification in Forensic Phonetics. Lecture Notes in Computer Science, 2017, , 69-83.	1.0	1
26	Activity Prediction in Process Management Using the WoMan Framework. Lecture Notes in Computer Science, 2017, , 194-208.	1.0	4
27	A Study on the Classification of Layout Components for Newspapers. Communications in Computer and Information Science, 2017, , 166-178.	0.4	0
28	Mining Chess Playing as a Complex Process. Lecture Notes in Computer Science, 2017, , 248-262.	1.0	1
29	Language Identification as Process Prediction Using WoMan. Communications in Computer and Information Science, 2017, , 159-172.	0.4	1
30	Predicate invention-based specialization in Inductive Logic Programming. Journal of Intelligent Information Systems, 2016, 47, 33-55.	2.8	3
31	A sentence structure-based approach to unsupervised author identification. Journal of Intelligent Information Systems, 2016, 46, 1-19.	2.8	4
32	The WoMan Formalism for Expressing Process Models. Lecture Notes in Computer Science, 2016, , 363-378.	1.0	6
33	Predicting Process Behavior in WoMan. Lecture Notes in Computer Science, 2016, , 308-320.	1.0	15
34	Unsupervised Author Identification and Characterization. Communications in Computer and Information Science, 2016, , 129-141.	0.4	0
35	Handling Complex Process Models Conditions Using First-Order Horn Clauses. Lecture Notes in Computer Science, 2016, , 37-52.	1.0	1
36	Incremental Learning of Daily Routines as Workflows in a Smart Home Environment. ACM Transactions on Interactive Intelligent Systems, 2015, 4, 1-23.	2.6	18

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37	Learning and exploiting concept networks with ConNeKTion. Applied Intelligence, 2015, 42, 87-111.	3.3	16
38	An Approach to Predicate Invention Based on Statistical Relational Model. Lecture Notes in Computer Science, 2015, , 274-287.	1.0	1
39	Empowered Negative Specialization in Inductive Logic Programming. Lecture Notes in Computer Science, 2015, , 288-300.	1.0	1
40	Rule Generalization Strategies in Incremental Learning of Disjunctive Concepts. Lecture Notes in Computer Science, 2015, , 407-421.	1.0	0
41	Logic-Based Incremental Process Mining. Lecture Notes in Computer Science, 2015, , 218-221.	1.0	2
42	WPI: Markov Logic Network-Based Statistical Predicate Invention. Lecture Notes in Computer Science, 2015, , 112-121.	1.0	0
43	A Novel Model-based Dewarping Technique for Advanced Digital Library Systems. Procedia Computer Science, 2014, 38, 108-115.	1.2	0
44	Grasp and Path-Relinking for Coalition Structure Generation. Fundamenta Informaticae, 2014, 129, 251-277.	0.3	2
45	Automatic Learning of Linguistic Resources for Stopword Removal and Stemming from Text. Procedia Computer Science, 2014, 38, 116-123.	1.2	30
46	WoMan: Logic-Based Workflow Learning and Management. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 744-756.	5.9	34
47	mLynx: Relational Mutual Information. , 2014, , 181-188.		0
48	ConNeKTion: A Tool for Handling Conceptual Graphs Automatically Extracted from Text. Communications in Computer and Information Science, 2014, , 93-104.	0.4	7
49	Towards Dynamic Orchestration of Semantic Web Services. Lecture Notes in Computer Science, 2013, , 16-30.	1.0	3
50	A Logic Framework for Incremental Learning of Process Models. Fundamenta Informaticae, 2013, 128, 413-443.	0.3	21
51	Learning to Recognize Critical Cells in Document Tables. Communications in Computer and Information Science, 2013, , 105-116.	0.4	3
52	Improving Robustness and Flexibility of Concept Taxonomy Learning from Text. Lecture Notes in Computer Science, 2013, , 170-184.	1.0	6
53	Logic-Based Incremental Process Mining in Smart Environments. Lecture Notes in Computer Science, 2013, , 392-401.	1.0	6
54	A Heuristic Approach to Handling Sequential Information in Incremental ILP. Lecture Notes in Computer Science, 2013, , 109-120.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Engineering SLS Algorithms for Statistical Relational Models. , 2011, , .		1
56	A Contour-Based Progressive Technique for Shape Recognition. , 2011, , .		2
57	Using Machine Learning Techniques for Modelling and Simulation of Metabolic Networks. , 2011, , .		1
58	Automatic Digital Document Processing and Management. Advances in Computer Vision and Pattern Recognition, 2011, , .	0.9	9
59	SWRL Rules Plan Encoding with OWL-S Composite Services. Lecture Notes in Computer Science, 2011, , 476-482.	1.0	1
60	Modelling and Searching of Combinatorial Spaces Based on Markov Logic Networks. Journal of Algorithms and Computational Technology, 2011, 5, 289-312.	0.4	1
61	Boosting learning and inference in Markov logic through metaheuristics. Applied Intelligence, 2011, 34, 279-298.	3.3	3
62	Stochastic simulation and modelling of metabolic networks in a machine learning framework. Simulation Modelling Practice and Theory, 2011, 19, 1957-1966.	2.2	4
63	Automatic Document Layout Analysis through Relational Machine Learning. Studies in Computational Intelligence, 2011, , 73-96.	0.7	2
64	Optimizing Probabilistic Models for Relational Sequence Learning. Lecture Notes in Computer Science, 2011, , 240-249.	1.0	6
65	DOMINUS plus - DDocument Management INtelligent Universal System (plus). Communications in Computer and Information Science, 2011, , 123-126.	0.4	2
66	Improving User Stereotypes through Machine Learning Techniques. Communications in Computer and Information Science, 2011, , 38-48.	0.4	8
67	Protein Fold Recognition Using Markov Logic Networks. , 2011, , 69-85.		0
68	A Taxonomic Generalization Technique for Natural Language Processing. Lecture Notes in Computer Science, 2011, , 418-427.	1.0	2
69	DDTA - Digitalisation of Districts in the Textile and Clothing Sector. Communications in Computer and Information Science, 2011, , 119-122.	0.4	0
70	Document Image Analysis. Advances in Computer Vision and Pattern Recognition, 2011, , 145-196.	0.9	0
71	Legal and Security Aspects. Advances in Computer Vision and Pattern Recognition, 2011, , 73-109.	0.9	0
72	Analysing the Behaviour of Robot Teams through Relational Sequential Pattern Mining. Lecture Notes in Computer Science, 2011, , 163-169.	1.0	0

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73	A histogram-based technique for automatic threshold assessment in a run length smoothing-based algorithm. , 2010, , .		11
74	Approximate image color correlograms. , 2010, , .		6
75	Coalition Structure Generation with GRASP. Lecture Notes in Computer Science, 2010, , 111-120.	1.0	17
76	A Relational Approach to Sensor Network Data Mining. Studies in Computational Intelligence, 2010, , 163-181.	0.7	6
77	Morphological evidences and computer science techniques in order to evaluate tsunami inundation limit. European Journal of Remote Sensing, 2010, , 129-142.	0.2	4
78	Using Explicit Word Co-occurrences to Improve Term-Based Text Retrieval. Communications in Computer and Information Science, 2010, , 125-136.	0.4	0
79	Approximate Relational Reasoning by Stochastic Propositionalization. Studies in Computational Intelligence, 2010, , 81-109.	0.7	2
80	Intelligent Text Processing Techniques for Textual-Profile Gene Characterization. Lecture Notes in Computer Science, 2010, , 33-44.	1.0	1
81	Towards Multistrategic Statistical Relational Learning. Studies in Computational Intelligence, 2010, , 121-142.	0.7	0
82	Merging Structural and Taxonomic Similarity for Text Retrieval Using Relational Descriptions. Communications in Computer and Information Science, 2010, , 149-160.	0.4	0
83	Relational Temporal Data Mining for Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 416-425.	1.0	5
84	Efficient MAP Inference for Statistical Relational Models through Hybrid Metaheuristics. Lecture Notes in Computer Science, 2009, , 402-411.	1.0	0
85	A LOGIC PROGRAMMING FRAMEWORK FOR LEARNING BY IMITATION. , 2009, , .		0
86	Relational Sequence Clustering for Aggregating Similar Agents. Lecture Notes in Computer Science, 2009, , 361-370.	1.0	0
87	Relational Learning by Imitation. Lecture Notes in Computer Science, 2009, , 273-282.	1.0	2
88	Machine Learning for Digital Document Processing: from Layout Analysis to Metadata Extraction. Studies in Computational Intelligence, 2008, , 105-138.	0.7	27
89	Discriminative Structure Learning of Markov Logic Networks. Lecture Notes in Computer Science, 2008, , 59-76.	1.0	19
90	Approximate Reasoning for Efficient Anytime Induction from Relational Knowledge Bases. Lecture Notes in Computer Science, 2008, , 160-173.	1.0	1

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91	A Hybrid Symbolic-Statistical Approach to Modeling Metabolic Networks. Lecture Notes in Computer Science, 2007, , 132-139.	1.0	2
92	Multi-class Protein Fold Recognition Through a Symbolic-Statistical Framework. Lecture Notes in Computer Science, 2007, , 666-673.	1.0	1
93	GRAPE: An Expert Review Assignment Component for Scientific Conference Management Systems. Lecture Notes in Computer Science, 2005, , 789-798.	1.0	22
94	Avoiding Order Effects in Incremental Learning. Lecture Notes in Computer Science, 2005, , 110-121.	1.0	17
95	Handling Continuous-Valued Attributes in Incremental First-Order Rules Learning. Lecture Notes in Computer Science, 2005, , 430-441.	1.0	1
96	On the LearnAbility of Abstraction Theories from Observations for Relational Learning. Lecture Notes in Computer Science, 2005, , 120-132.	1.0	2
97	Automatic Induction of Abduction and Abstraction Theories from Observations. Lecture Notes in Computer Science, 2005, , 103-120.	1.0	1
98	Machine Learning Approaches for Inducing Student Models. Lecture Notes in Computer Science, 2004, , 935-944.	1.0	9
99	Incremental Induction of Classification Rules for Cultural Heritage Documents. Lecture Notes in Computer Science, 2004, , 915-923.	1.0	1
100	An Algorithm for Incremental Mode Induction. Lecture Notes in Computer Science, 2004, , 512-522.	1.0	2
101	Automatic Induction of First-Order Logic Descriptors Type Domains from Observations. Lecture Notes in Computer Science, 2004, , 116-131.	1.0	6
102	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	2.0	25
103	An Exhaustive Matching Procedure for the Improvement of Learning Efficiency. Lecture Notes in Computer Science, 2003, , 112-129.	1.0	5
104	A Complete Subsumption Algorithm. Lecture Notes in Computer Science, 2003, , 1-13.	1.0	4
105	Incremental Induction of Rules for Document Image Understanding. Lecture Notes in Computer Science, 2003, , 176-188.	1.0	3
106	Improving Automatic Labelling through RDF Management. Lecture Notes in Computer Science, 2003, , 578-589.	1.0	1
107	Minimal Generalizations under OI-Implication. Lecture Notes in Computer Science, 2002, , 140-148.	1.0	0
108	Cooperation of Multiple Strategies for Automated Learning in Complex Environments. Lecture Notes in Computer Science, 2002, , 574-582.	1.0	1

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109	Learning Interaction Models in a Digital Library Service. Lecture Notes in Computer Science, 2001, , 44-53.	1.0	12
110	Document Classification and Interpretation through the Inference of Logic-Based Models. Lecture Notes in Computer Science, 2001, , 59-70.	1.0	8
111	Learning Logic Models for Automated Text Categorization. Lecture Notes in Computer Science, 2001, , 81-86.	1.0	4
112	Multistrategy Theory Revision: Induction and Abduction in INTHELEX. Machine Learning, 2000, 38, 133-156.	3.4	59
113	Cooperation of Abduction and Induction in Logic Programming. Applied Logic Series, 2000, , 233-252.	0.3	7
114	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.1	25
115	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.0	42
116	Machine learning + on-line libraries = IDL. Lecture Notes in Computer Science, 1997, , 195-214.	1.0	10