

# Stefano Ferilli

## List of Publications by Year in descending order

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116  
papers

744  
citations

567281

15  
h-index

677142

22  
g-index

131  
all docs

131  
docs citations

131  
times ranked

415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistrategy Theory Revision: Induction and Abduction in INTHELEX. Machine Learning, 2000, 38, 133-156.	5.4	59
2	A Logic Framework for the Incremental Inductive Synthesis of Datalog Theories. Lecture Notes in Computer Science, 1998, , 300-321.	1.3	42
3	Simulating empathic behavior in a social assistive robot. Multimedia Tools and Applications, 2017, 76, 5073-5094.	3.9	39
4	WoMan: Logic-Based Workflow Learning and Management. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 744-756.	9.3	34
5	Automatic Learning of Linguistic Resources for Stopword Removal and Stemming from Text. Procedia Computer Science, 2014, 38, 116-123.	2.0	30
6	Machine Learning for Digital Document Processing: from Layout Analysis to Metadata Extraction. Studies in Computational Intelligence, 2008, , 105-138.	0.9	27
7	Adding machine learning and knowledge intensive techniques to a digital library service. International Journal on Digital Libraries, 1998, 2, 3-19.	1.5	25
8	Incremental multistrategy learning for document processing. Applied Artificial Intelligence, 2003, 17, 859-883.	3.2	25
9	GRAPE: An Expert Review Assignment Component for Scientific Conference Management Systems. Lecture Notes in Computer Science, 2005, , 789-798.	1.3	22
10	A Logic Framework for Incremental Learning of Process Models. Fundamenta Informaticae, 2013, 128, 413-443.	0.4	21
11	Discriminative Structure Learning of Markov Logic Networks. Lecture Notes in Computer Science, 2008, , 59-76.	1.3	19
12	Incremental Learning of Daily Routines as Workflows in a Smart Home Environment. ACM Transactions on Interactive Intelligent Systems, 2015, 4, 1-23.	3.7	18
13	Avoiding Order Effects in Incremental Learning. Lecture Notes in Computer Science, 2005, , 110-121.	1.3	17
14	Coalition Structure Generation with GRASP. Lecture Notes in Computer Science, 2010, , 111-120.	1.3	17
15	Learning and exploiting concept networks with ConNeKTion. Applied Intelligence, 2015, 42, 87-111.	5.3	16
16	Predicting Process Behavior in WoMan. Lecture Notes in Computer Science, 2016, , 308-320.	1.3	15
17	Learning Interaction Models in a Digital Library Service. Lecture Notes in Computer Science, 2001, , 44-53.	1.3	12
18	A histogram-based technique for automatic threshold assessment in a run length smoothing-based algorithm. , 2010, , .		11

#	ARTICLE	IF	CITATIONS
19	Integration Strategy and Tool between Formal Ontology and Graph Database Technology. Electronics (Switzerland), 2021, 10, 2616.	3.1	11
20	Abduction with probabilistic logic programming under the distribution semantics. International Journal of Approximate Reasoning, 2022, 142, 41-63.	3.3	11
21	Machine learning + on-line libraries = IDL. Lecture Notes in Computer Science, 1997, , 195-214.	1.3	10
22	Machine Learning Approaches for Inducing Student Models. Lecture Notes in Computer Science, 2004, , 935-944.	1.3	9
23	Automatic Digital Document Processing and Management. Advances in Computer Vision and Pattern Recognition, 2011, , .	1.3	9
24	Activity prediction in process mining using the WoMan framework. Journal of Intelligent Information Systems, 2019, 53, 93-112.	3.9	9
25	Document Classification and Interpretation through the Inference of Logic-Based Models. Lecture Notes in Computer Science, 2001, , 59-70.	1.3	8
26	Improving User Stereotypes through Machine Learning Techniques. Communications in Computer and Information Science, 2011, , 38-48.	0.5	8
27	Extended Process Models for Activity Prediction. Lecture Notes in Computer Science, 2017, , 368-377.	1.3	7
28	ConNeKTion: A Tool for Handling Conceptual Graphs Automatically Extracted from Text. Communications in Computer and Information Science, 2014, , 93-104.	0.5	7
29	Cooperation of Abduction and Induction in Logic Programming. Applied Logic Series, 2000, , 233-252.	0.3	7
30	Approximate image color correlograms. , 2010, , .		6
31	A multi-strategy approach to structural analogy making. Journal of Intelligent Information Systems, 2018, 50, 1-28.	3.9	6
32	The WoMan Formalism for Expressing Process Models. Lecture Notes in Computer Science, 2016, , 363-378.	1.3	6
33	Automatic Induction of First-Order Logic Descriptors Type Domains from Observations. Lecture Notes in Computer Science, 2004, , 116-131.	1.3	6
34	A Relational Approach to Sensor Network Data Mining. Studies in Computational Intelligence, 2010, , 163-181.	0.9	6
35	Optimizing Probabilistic Models for Relational Sequence Learning. Lecture Notes in Computer Science, 2011, , 240-249.	1.3	6
36	Improving Robustness and Flexibility of Concept Taxonomy Learning from Text. Lecture Notes in Computer Science, 2013, , 170-184.	1.3	6

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37	Logic-Based Incremental Process Mining in Smart Environments. Lecture Notes in Computer Science, 2013, , 392-401.	1.3	6
38	An Exhaustive Matching Procedure for the Improvement of Learning Efficiency. Lecture Notes in Computer Science, 2003, , 112-129.	1.3	5
39	An Abstract Argumentation-Based Approach to Automatic Extractive Text Summarization. Communications in Computer and Information Science, 2018, , 57-68.	0.5	5
40	Relational Temporal Data Mining for Wireless Sensor Networks. Lecture Notes in Computer Science, 2009, , 416-425.	1.3	5
41	Stochastic simulation and modelling of metabolic networks in a machine learning framework. Simulation Modelling Practice and Theory, 2011, 19, 1957-1966.	3.8	4
42	A sentence structure-based approach to unsupervised author identification. Journal of Intelligent Information Systems, 2016, 46, 1-19.	3.9	4
43	Extending expressivity and flexibility of abductive logic programming. Journal of Intelligent Information Systems, 2018, 51, 647-672.	3.9	4
44	Automatic Multilingual Stopwords Identification from Very Small Corpora. Electronics (Switzerland), 2021, 10, 2169.	3.1	4
45	Learning Logic Models for Automated Text Categorization. Lecture Notes in Computer Science, 2001, , 81-86.	1.3	4
46	On the Gradual Acceptability of Arguments in Bipolar Weighted Argumentation Frameworks with Degrees of Trust. Lecture Notes in Computer Science, 2017, , 195-204.	1.3	4
47	Activity Prediction in Process Management Using the WoMan Framework. Lecture Notes in Computer Science, 2017, , 194-208.	1.3	4
48	A Complete Subsumption Algorithm. Lecture Notes in Computer Science, 2003, , 1-13.	1.3	4
49	Morphological evidences and computer science techniques in order to evaluate tsunami inundation limit. European Journal of Remote Sensing, 2010, , 129-142.	0.2	4
50	Boosting learning and inference in Markov logic through metaheuristics. Applied Intelligence, 2011, 34, 279-298.	5.3	3
51	Towards Dynamic Orchestration of Semantic Web Services. Lecture Notes in Computer Science, 2013, , 16-30.	1.3	3
52	Predicate invention-based specialization in Inductive Logic Programming. Journal of Intelligent Information Systems, 2016, 47, 33-55.	3.9	3
53	A Similarity-Based Abstract Argumentation Approach to Extractive Text Summarization. Lecture Notes in Computer Science, 2017, , 87-100.	1.3	3
54	Incremental Declarative Process Mining with WoMan. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
55	Incremental Induction of Rules for Document Image Understanding. Lecture Notes in Computer Science, 2003, , 176-188.	1.3	3
56	Learning to Recognize Critical Cells in Document Tables. Communications in Computer and Information Science, 2013, , 105-116.	0.5	3
57	Learning and Predicting User Pairwise Preferences from Emotions and Gaze Behavior. , 2019, , .		3
58	Understanding Coding Behavior: An Incremental Process Mining Approach. Electronics (Switzerland), 2022, 11, 389.	3.1	3
59	Experiences on the Improvement of Logic-Based Anaphora Resolution in English Texts. Electronics (Switzerland), 2022, 11, 372.	3.1	3
60	A Contour-Based Progressive Technique for Shape Recognition. , 2011, , .		2
61	Automatic Document Layout Analysis through Relational Machine Learning. Studies in Computational Intelligence, 2011, , 73-96.	0.9	2
62	Grasp and Path-Relinking for Coalition Structure Generation. Fundamenta Informaticae, 2014, 129, 251-277.	0.4	2
63	A Process Mining Approach to the Identification of Normal and Suspect Traffic Behavior. Advances in Intelligent Systems and Computing, 2018, , 37-56.	0.6	2
64	A Visual Analytic Approach to Analyze Highway Vehicular Traffic. , 2018, , .		2
65	An Algorithm for Incremental Mode Induction. Lecture Notes in Computer Science, 2004, , 512-522.	1.3	2
66	DOMINUS plus - DDocument Management INtelligent Universal System (plus). Communications in Computer and Information Science, 2011, , 123-126.	0.5	2
67	On the LearnAbility of Abstraction Theories from Observations for Relational Learning. Lecture Notes in Computer Science, 2005, , 120-132.	1.3	2
68	A Hybrid Symbolic-Statistical Approach to Modeling Metabolic Networks. Lecture Notes in Computer Science, 2007, , 132-139.	1.3	2
69	Relational Learning by Imitation. Lecture Notes in Computer Science, 2009, , 273-282.	1.3	2
70	Approximate Relational Reasoning by Stochastic Propositionalization. Studies in Computational Intelligence, 2010, , 81-109.	0.9	2
71	A Taxonomic Generalization Technique for Natural Language Processing. Lecture Notes in Computer Science, 2011, , 418-427.	1.3	2
72	A Heuristic Approach to Handling Sequential Information in Incremental ILP. Lecture Notes in Computer Science, 2013, , 109-120.	1.3	2

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73	Logic-Based Incremental Process Mining. Lecture Notes in Computer Science, 2015, , 218-221.	1.3	2
74	Holistic graph-based document representation and management for open science. International Journal on Digital Libraries, 2023, 24, 205-227.	1.5	2
75	Incremental Induction of Classification Rules for Cultural Heritage Documents. Lecture Notes in Computer Science, 2004, , 915-923.	1.3	1
76	Engineering SLS Algorithms for Statistical Relational Models. , 2011, , .		1
77	Using Machine Learning Techniques for Modelling and Simulation of Metabolic Networks. , 2011, , .		1
78	SWRL Rules Plan Encoding with OWL-S Composite Services. Lecture Notes in Computer Science, 2011, , 476-482.	1.3	1
79	Modelling and Searching of Combinatorial Spaces Based on Markov Logic Networks. Journal of Algorithms and Computational Technology, 2011, 5, 289-312.	0.7	1
80	An Approach to Predicate Invention Based on Statistical Relational Model. Lecture Notes in Computer Science, 2015, , 274-287.	1.3	1
81	Exploring Abstract Argumentation-Based Approaches to Tackle Inconsistent Observations in Inductive Logic Programming. Lecture Notes in Computer Science, 2018, , 279-292.	1.3	1
82	INTRODUCING KEPLAIR - A PLATFORM FOR INDEPENDENT LEARNERS. EDULEARN Proceedings, 2021, , .	0.0	1
83	Introducing General Argumentation Frameworks and Their Use. Lecture Notes in Computer Science, 2021, , 136-153.	1.3	1
84	Handling Continuous-Valued Attributes in Incremental First-Order Rules Learning. Lecture Notes in Computer Science, 2005, , 430-441.	1.3	1
85	Empowered Negative Specialization in Inductive Logic Programming. Lecture Notes in Computer Science, 2015, , 288-300.	1.3	1
86	A Statistical Approach to Speaker Identification in Forensic Phonetics. Lecture Notes in Computer Science, 2017, , 69-83.	1.3	1
87	Cooperation of Multiple Strategies for Automated Learning in Complex Environments. Lecture Notes in Computer Science, 2002, , 574-582.	1.3	1
88	Improving Automatic Labelling through RDF Management. Lecture Notes in Computer Science, 2003, , 578-589.	1.3	1
89	Automatic Induction of Abduction and Abstraction Theories from Observations. Lecture Notes in Computer Science, 2005, , 103-120.	1.3	1
90	Multi-class Protein Fold Recognition Through a Symbolic-Statistical Framework. Lecture Notes in Computer Science, 2007, , 666-673.	1.3	1

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91	Approximate Reasoning for Efficient Anytime Induction from Relational Knowledge Bases. Lecture Notes in Computer Science, 2008, , 160-173.	1.3	1
92	Intelligent Text Processing Techniques for Textual-Profile Gene Characterization. Lecture Notes in Computer Science, 2010, , 33-44.	1.3	1
93	Handling Complex Process Models Conditions Using First-Order Horn Clauses. Lecture Notes in Computer Science, 2016, , 37-52.	1.3	1
94	Mining Chess Playing as a Complex Process. Lecture Notes in Computer Science, 2017, , 248-262.	1.3	1
95	Language Identification as Process Prediction Using WoMan. Communications in Computer and Information Science, 2017, , 159-172.	0.5	1
96	Ambient Assisted Living and Social Robots: Towards Learning Relations between User's Daily Routines and Mood. , 2022, , .		1
97	A Novel Model-based Dewarping Technique for Advanced Digital Library Systems. Procedia Computer Science, 2014, 38, 108-115.	2.0	0
98	mLynx: Relational Mutual Information. , 2014, , 181-188.		0
99	Towards a Process Mining Approach to Grammar Induction for Digital Libraries. Communications in Computer and Information Science, 2019, , 291-303.	0.5	0
100	Process Model Modularization by Subprocess Discovery. , 2020, , .		0
101	Minimal Generalizations under OI-Implication. Lecture Notes in Computer Science, 2002, , 140-148.	1.3	0
102	Efficient MAP Inference for Statistical Relational Models through Hybrid Metaheuristics. Lecture Notes in Computer Science, 2009, , 402-411.	1.3	0
103	A LOGIC PROGRAMMING FRAMEWORK FOR LEARNING BY IMITATION. , 2009, , .		0
104	Relational Sequence Clustering for Aggregating Similar Agents. Lecture Notes in Computer Science, 2009, , 361-370.	1.3	0
105	Using Explicit Word Co-occurrences to Improve Term-Based Text Retrieval. Communications in Computer and Information Science, 2010, , 125-136.	0.5	0
106	Towards Multistrategic Statistical Relational Learning. Studies in Computational Intelligence, 2010, , 121-142.	0.9	0
107	Merging Structural and Taxonomic Similarity for Text Retrieval Using Relational Descriptions. Communications in Computer and Information Science, 2010, , 149-160.	0.5	0
108	Protein Fold Recognition Using Markov Logic Networks. , 2011, , 69-85.		0

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109	DDTA - Digitalisation of Districts in the Textile and Clothing Sector. Communications in Computer and Information Science, 2011, , 119-122.	0.5	0
110	Document Image Analysis. Advances in Computer Vision and Pattern Recognition, 2011, , 145-196.	1.3	0
111	Legal and Security Aspects. Advances in Computer Vision and Pattern Recognition, 2011, , 73-109.	1.3	0
112	Analysing the Behaviour of Robot Teams through Relational Sequential Pattern Mining. Lecture Notes in Computer Science, 2011, , 163-169.	1.3	0
113	Rule Generalization Strategies in Incremental Learning of Disjunctive Concepts. Lecture Notes in Computer Science, 2015, , 407-421.	1.3	0
114	WPI: Markov Logic Network-Based Statistical Predicate Invention. Lecture Notes in Computer Science, 2015, , 112-121.	1.3	0
115	Unsupervised Author Identification and Characterization. Communications in Computer and Information Science, 2016, , 129-141.	0.5	0
116	A Study on the Classification of Layout Components for Newspapers. Communications in Computer and Information Science, 2017, , 166-178.	0.5	0