

# Alberto Bartoli

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

874  
citations

623574

14  
h-index

642610

23  
g-index

96  
all docs

96  
docs citations

96  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inference of Regular Expressions for Text Extraction from Examples. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1217-1230.	4.0	62
2	Automatic Synthesis of Regular Expressions from Examples. Computer, 2014, 47, 72-80.	1.2	43
3	A reliable multicast protocol for distributed mobile systems: design and evaluation. IEEE Transactions on Parallel and Distributed Systems, 2001, 12, 1009-1022.	4.0	40
4	Publication Venue Recommendation Based on Paper Abstract. , 2014, , .		38
5	Evolutionary Inference of Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2015, , 351-365.	1.0	35
6	A probabilistic approach to printed document understanding. International Journal on Document Analysis and Recognition, 2011, 14, 335-347.	2.7	34
7	Enriched view synchrony: a programming paradigm for partitionable asynchronous distributed systems. IEEE Transactions on Computers, 1997, 46, 642-658.	2.4	33
8	Anomaly detection techniques for a web defacement monitoring service. Expert Systems With Applications, 2011, 38, 12521-12530.	4.4	32
9	Automatic generation of regular expressions from examples with genetic programming. , 2012, , .		32
10	Evil twins and WPA2 Enterprise: A coming security disaster?. Computers and Security, 2018, 74, 1-11.	4.0	26
11	Active Learning of Regular Expressions for Entity Extraction. IEEE Transactions on Cybernetics, 2018, 48, 1067-1080.	6.2	22
12	Biodiversity in evolved voxel-based soft robots. , 2021, , .		21
13	Graphical design of distributed applications through reusable components. IEEE Parallel and Distributed Technology, 1995, 3, 37-50.	0.7	20
14	2D-VSR-Sim: A simulation tool for the optimization of 2-D voxel-based soft robots. SoftwareX, 2020, 12, 100573.	1.2	20
15	Group-based multicast and dynamic membership in wireless networks with incomplete spatial coverage. Mobile Networks and Applications, 1998, 3, 175-188.	2.2	18
16	Learning Text Patterns Using Separate-and-Conquer Genetic Programming. Lecture Notes in Computer Science, 2015, , 16-27.	1.0	15
17	Efficient Verification of a Multicast Protocol for Mobile Computing. Computer Journal, 2001, 44, 21-30.	1.5	14
18	The Reaction Time to Web Site Defacements. IEEE Internet Computing, 2009, 13, 52-58.	3.2	14

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19	A Framework for Large-Scale Detection of Web Site Defacements. ACM Transactions on Internet Technology, 2010, 10, 1-37.	3.0	14
20	A Framework for Prototyping J2EE Replication Algorithms. Lecture Notes in Computer Science, 2004, , 1413-1426.	1.0	13
21	Bibliometric Evaluation of Researchers in the Internet Age. Information Society, 2014, 30, 349-354.	1.7	12
22	Can a Machine Replace Humans in Building Regular Expressions? A Case Study. IEEE Intelligent Systems, 2016, 31, 15-21.	4.0	12
23	Your Paper has been Accepted, Rejected, or Whatever: Automatic Generation of Scientific Paper Reviews. Lecture Notes in Computer Science, 2016, , 19-28.	1.0	12
24	Weighted Hierarchical Grammatical Evolution. IEEE Transactions on Cybernetics, 2020, 50, 476-488.	6.2	12
25	Detection of Hidden Fraudulent URLs within Trusted Sites Using Lexical Features. , 2013, , .		11
26	Multi-level diversity promotion strategies for Grammar-guided Genetic Programming. Applied Soft Computing Journal, 2019, 83, 105599.	4.1	11
27	Genetic programming in the twenty-first century: a bibliometric and content-based analysis from both sides of the fence. Genetic Programming and Evolvable Machines, 2020, 21, 181-204.	1.5	11
28	On the Impact of the Rules on Autonomous Drive Learning. Applied Sciences (Switzerland), 2020, 10, 2394.	1.3	11
29	Automatic Integrity Checks for Remote Web Resources. IEEE Internet Computing, 2006, 10, 56-62.	3.2	10
30	Automatic Face Annotation in News Images by Mining the Web. , 2011, , .		10
31	Playing regex golf with genetic programming. , 2014, , .		10
32	(In)Secure Configuration Practices of WPA2 Enterprise Supplicants. , 2018, , .		10
33	Single address space implementation in distributed systems. Concurrency and Computation: Practice and Experience, 2000, 12, 251-280.	0.6	9
34	Syntactical Similarity Learning by Means of Grammatical Evolution. Lecture Notes in Computer Science, 2016, , 260-269.	1.0	9
35	Implementing a replicated service with group communication. Journal of Systems Architecture, 2004, 50, 493-519.	2.5	8
36	Detection of Web Defacements by means of Genetic Programming. , 2007, , .		8

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37	Wide-address spaces. <i>Operating Systems Review (ACM)</i> , 1993, 27, 11-17.	1.5	7
38	Symbolic regression of discontinuous and multivariate functions by Hyper-Volume Error Separation (HVES). , 2007, , .		7
39	Brand-Related Events Detection, Classification and Summarization on Twitter. , 2012, , .		7
40	Open world classification of printed invoices. , 2010, , .		6
41	Understanding Server Authentication in WPA3 Enterprise. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7879.	1.3	5
42	Specializing Context-Free Grammars With a (1 + 1)-EA. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 960-973.	7.5	5
43	Evolutionary Optimization of Graphs with GraphEA. <i>Lecture Notes in Computer Science</i> , 2021, , 83-98.	1.0	5
44	Road Traffic Rules Synthesis Using Grammatical Evolution. <i>Lecture Notes in Computer Science</i> , 2017, , 173-188.	1.0	5
45	Active learning approaches for learning regular expressions with genetic programming. , 2016, , .		5
46	A Comparative Study of Anomaly Detection Techniques in Web Site Defacement Detection. <i>International Federation for Information Processing</i> , 2008, , 711-716.	0.4	5
47	A Novel Approach to Marshalling. <i>Software - Practice and Experience</i> , 1997, 27, 63-85.	2.5	4
48	A replication framework for program-to-program interaction across unreliable networks and its implementation in a servlet container. <i>Concurrency Computation Practice and Experience</i> , 2006, 18, 701-724.	1.4	4
49	Evolutionary Learning of Syntax Patterns for Genic Interaction Extraction. , 2015, , .		4
50	An effective diversity promotion mechanism in grammatical evolution. , 2017, , .		4
51	On the Automatic Design of a Representation for Grammar-Based Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2018, , 101-117.	1.0	4
52	Automatic Search-and-Replace From Examples With Coevolutionary Genetic Programming. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2612-2624.	6.2	4
53	Compressing Regular Expression Sets for Deep Packet Inspection. <i>Lecture Notes in Computer Science</i> , 2014, , 394-403.	1.0	4
54	GP-Based Electricity Price Forecasting. <i>Lecture Notes in Computer Science</i> , 2011, , 37-48.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Evolutionary Synthesis of Sensing Controllers for Voxel-based Soft Robots. , 2019, , .		4
56	Application-controlled memory management in a single address space environment. International Journal on Software Tools for Technology Transfer, 2001, 3, 235-245.	1.7	3
57	Fault-Tolerant Support for Reliable Multicast in Mobile Wireless Systems: Design and Evaluation. Wireless Networks, 2004, 10, 259-269.	2.0	3
58	Automatic string replace by examples. , 2013, , .		3
59	Data Quality Challenge. Journal of Data and Information Quality, 2015, 6, 1-4.	1.5	3
60	"Best Dinner Ever!!!": Automatic Generation of Restaurant Reviews with LSTM-RNN. , 2016, , .		3
61	Regex-based entity extraction with active learning and genetic programming. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2016, 16, 7-15.	0.5	3
62	GOMGE: Gene-Pool Optimal Mixing on Grammatical Evolution. Lecture Notes in Computer Science, 2018, , 223-235.	1.0	3
63	Recording and Replaying Navigations on AJAX Web Sites. Lecture Notes in Computer Science, 2012, , 370-377.	1.0	3
64	Exploring the Potential of GPT-2 for Generating Fake Reviews of Research Papers. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	3
65	On the Performance of Inter-Organizational Design Optimization Systems. , 2006, , .		2
66	Semisupervised Wrapper Choice and Generation for Print-Oriented Documents. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 208-220.	4.0	2
67	An Architecture for Anonymous Mobile Coupons in a Large Network. Journal of Computer Networks and Communications, 2016, 2016, 1-10.	1.2	2
68	A Language and an Inference Engine for Twitter Filtering Rules. , 2016, , .		2
69	Predicting the effectiveness of pattern-based entity extractor inference. Applied Soft Computing Journal, 2016, 46, 398-406.	4.1	2
70	A Language for UAV Traffic Rules in an Urban Environment and Decentralized Scenario. , 2017, , .		2
71	Designing automatically a representation for grammatical evolution. Genetic Programming and Evolvable Machines, 2019, 20, 37-65.	1.5	2
72	Reusing sequential software in a distributed environment. Distributed Systems Engineering, 1995, 2, 2-13.	0.6	1

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73	Mechanisms for application-level recoverable-persistence in a single address space. <i>Microprocessors and Microsystems</i> , 1998, 22, 247-261.	1.8	1
74	Application-based dynamic primary views in asynchronous distributed systems. <i>Journal of Parallel and Distributed Computing</i> , 2003, 63, 410-433.	2.7	1
75	Adaptive Performance Tuning for Internet-Based Workflows. <i>Proceedings - IEEE Computer Society's International Computer Software and Applications Conference</i> , 2007, , .	0.0	1
76	A look at hidden web pages in Italian public administrations. , 2012, , .		1
77	Continuous and Non-intrusive Reauthentication of Web Sessions Based on Mouse Dynamics. , 2014, , .		1
78	On the Automatic Construction of Regular Expressions from Examples (GP vs. Humans 1-0). , 2016, , .		1
79	Enterprise wi-fi. <i>Communications of the ACM</i> , 2019, 62, 33-35.	3.3	1
80	Interactive example-based finding of text items. <i>Expert Systems With Applications</i> , 2020, 154, 113403.	4.4	1
81	Robustness analysis of DNS paths and web access paths in public administration websites. <i>Computer Communications</i> , 2021, 180, 243-258.	3.1	1
82	Online Consistency Checking for Replicated Objects. <i>Lecture Notes in Computer Science</i> , 2003, , 3-4.	1.0	1
83	One-Shot Learning of Ensembles of Temporal Logic Formulas for Anomaly Detection in Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2022, , 34-50.	1.0	1
84	Supporting load distribution strategies in message-passing multiprocessors: a case study. <i>Microprocessors and Microsystems</i> , 1991, 15, 549-558.	1.8	0
85	Implementing distributed process farms. <i>Microprocessors and Microsystems</i> , 1995, 19, 413-422.	1.8	0
86	On causal broadcasting with positive acknowledgments and bounded-length counters. <i>IEEE Transactions on Computers</i> , 2004, 53, 1355-1358.	2.4	0
87	On-line self-checking of replication consistency for autonomic computing. <i>Cluster Computing</i> , 2006, 9, 449-463.	3.5	0
88	Adaptive Performance Control of Internet-based Grids in a Dynamic Environment. , 2007, , .		0
89	Camera-based Scrolling Interface for Hand-held Devices. , 2008, , .		0
90	Rainbow crypt: Securing communication through a protected visual channel. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
91	Correction to "Inference of Regular Expressions for Text Extraction from Examples", IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1944-1944.	4.0	0
92	Back To The Basics. , 2018, , .		0
93	Evolutionary optimization of sliding contact positions in powered floor systems for mobile robots. Automatisierungstechnik, 2020, 68, 97-109.	0.4	0