Alberto Bartoli

List of Publications by Year
in descending order

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	One-Shot Learning ofÂEnsembles ofÂTemporal Logic Formulas forÂAnomaly Detection inÂCyber-Physical Systems. Lecture Notes in Computer Science, 2022, , 34-50.	1.0	1
2	Automatic Search-and-Replace From Examples With Coevolutionary Genetic Programming. IEEE Transactions on Cybernetics, 2021, 51, 2612-2624.	6.2	4
3	Biodiversity in evolved voxel-based soft robots. , 2021, , .		21
4	Robustness analysis of DNS paths and web access paths in public administration websites. Computer Communications, 2021, 180, 243-258.	3.1	1
5	Evolutionary Optimization of Graphs with GraphEA. Lecture Notes in Computer Science, 2021, , 83-98.	1.0	5
6	Weighted Hierarchical Grammatical Evolution. IEEE Transactions on Cybernetics, 2020, 50, 476-488.	6.2	12
7	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
8	2D-VSR-Sim: A simulation tool for the optimization of 2-D voxel-based soft robots. SoftwareX, 2020, 12, 100573.	1.2	20
9	Understanding Server Authentication in WPA3 Enterprise. Applied Sciences (Switzerland), 2020, 10, 7879.	1.3	5
10	On the Impact of the Rules on Autonomous Drive Learning. Applied Sciences (Switzerland), 2020, 10, 2394.	1.3	11
11	Specializing Context-Free Grammars With a (1 + 1)-EA. IEEE Transactions on Evolutionary Computation, 2020, 24, 960-973.	7.5	5
12	Interactive example-based finding of text items. Expert Systems With Applications, 2020, 154, 113403.	4.4	1
13	Evolutionary optimization of sliding contact positions in powered floor systems for mobile robots. Automatisierungstechnik, 2020, 68, 97-109.	0.4	0
14	Exploring the Potential of GPT-2 for Generating Fake Reviews of Research Papers. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	3
15	Designing automatically a representation for grammatical evolution. Genetic Programming and Evolvable Machines, 2019, 20, 37-65.	1.5	2
16	Multi-level diversity promotion strategies for Grammar-guided Genetic Programming. Applied Soft Computing Journal, 2019, 83, 105599.	4.1	11
17	Enterprise wi-fi. Communications of the ACM, 2019, 62, 33-35.	3.3	1
18	Evolutionary Synthesis of Sensing Controllers for Voxel-based Soft Robots. , 2019, , .		4

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19	Evil twins and WPA2 Enterprise: A coming security disaster?. Computers and Security, 2018, 74, 1-11.	4.0	26
20	On the Automatic Design of a Representation for Grammar-Based Genetic Programming. Lecture Notes in Computer Science, 2018, , 101-117.	1.0	4
21	Active Learning of Regular Expressions for Entity Extraction. IEEE Transactions on Cybernetics, 2018, 48, 1067-1080.	6.2	22
22	Back To The Basics. , 2018, , .		0
23	(In)Secure Configuration Practices of WPA2 Enterprise Supplicants. , 2018, , .		10
24	GOMGE: Gene-Pool Optimal Mixing on Grammatical Evolution. Lecture Notes in Computer Science, 2018, , 223-235.	1.0	3
25	An effective diversity promotion mechanism in grammatical evolution. , 2017, , .		4
26	A Language for UAV Traffic Rules in an Urban Environment and Decentralized Scenario. , 2017, , .		2
27	Road Traffic Rules Synthesis Using Grammatical Evolution. Lecture Notes in Computer Science, 2017, , 173-188.	1.0	5
28	An Architecture for Anonymous Mobile Coupons in a Large Network. Journal of Computer Networks and Communications, 2016, 2016, 1-10.	1.2	2
29	On the Automatic Construction of Regular Expressions from Examples (GP vs. Humans 1-0). , 2016, , .		1
30	Can a Machine Replace Humans in Building Regular Expressions? A Case Study. IEEE Intelligent Systems, 2016, 31, 15-21.	4.0	12
31	A Language and an Inference Engine for Twitter Filtering Rules. , 2016, , .		2
32	"Best Dinner Ever!!!": Automatic Generation of Restaurant Reviews with LSTM-RNN. , 2016, , .		3
33	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
34	Predicting the effectiveness of pattern-based entity extractor inference. Applied Soft Computing Journal, 2016, 46, 398-406.	4.1	2
35	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
36	Correction to â€œInference of Regular Expressions for Text Extraction from Examplesâ€. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1944-1944.	4.0	0

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37	Inference of Regular Expressions for Text Extraction from Examples. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1217-1230.	4.0	62
38	Syntactical Similarity Learning by Means of Grammatical Evolution. Lecture Notes in Computer Science, 2016, , 260-269.	1.0	9
39	Active learning approaches for learning regular expressions with genetic programming. , 2016, , .		5
40	Data Quality Challenge. Journal of Data and Information Quality, 2015, 6, 1-4.	1.5	3
41	Evolutionary Learning of Syntax Patterns for Genic Interaction Extraction. , 2015, , .		4
42	Evolutionary Inference of Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2015, , 351-365.	1.0	35
43	Learning Text Patterns Using Separate-and-Conquer Genetic Programming. Lecture Notes in Computer Science, 2015, , 16-27.	1.0	15
44	Continuous and Non-intrusive Reauthentication of Web Sessions Based on Mouse Dynamics. , 2014, , .		1
45	Publication Venue Recommendation Based on Paper Abstract. , 2014, , .		38
46	Automatic Synthesis of Regular Expressions from Examples. Computer, 2014, 47, 72-80.	1.2	43
47	Playing regex golf with genetic programming. , 2014, , .		10
48	Bibliometric Evaluation of Researchers in the InternetÂAge. Information Society, 2014, 30, 349-354.	1.7	12
49	Semisupervised Wrapper Choice and Generation for Print-Oriented Documents. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 208-220.	4.0	2
50	Compressing Regular Expression Sets for Deep Packet Inspection. Lecture Notes in Computer Science, 2014, , 394-403.	1.0	4
51	Detection of Hidden Fraudulent URLs within Trusted Sites Using Lexical Features. , 2013, , .		11
52	Automatic string replace by examples. , 2013, , .		3
53	Automatic generation of regular expressions from examples with genetic programming. , 2012, , .		32
54	A look at hidden web pages in Italian public administrations. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	Brand-Related Events Detection, Classification and Summarization on Twitter. , 2012, , .		7
56	Recording and Replaying Navigations on AJAX Web Sites. Lecture Notes in Computer Science, 2012, , 370-377.	1.0	3
57	Rainbow crypt: Securing communication through a protected visual channel. , 2011, , .		0
58	A probabilistic approach to printed document understanding. International Journal on Document Analysis and Recognition, 2011, 14, 335-347.	2.7	34
59	Anomaly detection techniques for a web defacement monitoring service. Expert Systems With Applications, 2011, 38, 12521-12530.	4.4	32
60	Automatic Face Annotation in News Images by Mining the Web. , 2011, , .		10
61	GP-Based Electricity Price Forecasting. Lecture Notes in Computer Science, 2011, , 37-48.	1.0	4
62	Open world classification of printed invoices. , 2010, , .		6
63	A Framework for Large-Scale Detection of Web Site Defacements. ACM Transactions on Internet Technology, 2010, 10, 1-37.	3.0	14
64	The Reaction Time to Web Site Defacements. IEEE Internet Computing, 2009, 13, 52-58.	3.2	14
65	Camera-based Scrolling Interface for Hand-held Devices. , 2008, , .		0
66	A Comparative Study of Anomaly Detection Techniques in Web Site Defacement Detection. International Federation for Information Processing, 2008, , 711-716.	0.4	5
67	Adaptive Performance Control of Internet-based Grids in a Dynamic Environment. , 2007, , .		0
68	Adaptive Performance Tuning for Internet-BasedWorkflows. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	1
69	Symbolic regression of discontinuous and multivariate functions by Hyper-Volume Error Separation (HVES). , 2007, , .		7
70	Detection of Web Defacements by means of Genetic Programming. , 2007, , .		8
71	Automatic Integrity Checks for Remote Web Resources. IEEE Internet Computing, 2006, 10, 56-62.	3.2	10
72	On-line self-checking of replication consistency for autonomic computing. Cluster Computing, 2006, 9, 449-463.	3.5	0

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73	A replication framework for program-to-program interaction across unreliable networks and its implementation in a servlet container. Concurrency Computation Practice and Experience, 2006, 18, 701-724.	1.4	4
74	On the Performance of Inter-Organizational Design Optimization Systems. , 2006, , .		2
75	Fault-Tolerant Support for Reliable Multicast in Mobile Wireless Systems: Design and Evaluation. Wireless Networks, 2004, 10, 259-269.	2.0	3
76	Implementing a replicated service with group communication. Journal of Systems Architecture, 2004, 50, 493-519.	2.5	8
77	On causal broadcasting with positive acknowledgments and bounded-length counters. IEEE Transactions on Computers, 2004, 53, 1355-1358.	2.4	0
78	A Framework for Prototyping J2EE Replication Algorithms. Lecture Notes in Computer Science, 2004, , 1413-1426.	1.0	13
79	Application-based dynamic primary views in asynchronous distributed systems. Journal of Parallel and Distributed Computing, 2003, 63, 410-433.	2.7	1
80	Online Consistency Checking for Replicated Objects. Lecture Notes in Computer Science, 2003, , 3-4.	1.0	1
81	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
82	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
83	Efficient Verification of a Multicast Protocol for Mobile Computing. Computer Journal, 2001, 44, 21-30.	1.5	14
84	Single address space implementation in distributed systems. Concurrency and Computation: Practice and Experience, 2000, 12, 251-280.	0.6	9
85	Group-based multicast and dynamic membership in wireless networks with incomplete spatial coverage. Mobile Networks and Applications, 1998, 3, 175-188.	2.2	18
86	Mechanisms for application-level recoverable-persistence in a single address space. Microprocessors and Microsystems, 1998, 22, 247-261.	1.8	1
87	Enriched view synchrony: a programming paradigm for partitionable asynchronous distributed systems. IEEE Transactions on Computers, 1997, 46, 642-658.	2.4	33
88	A Novel Approach to Marshalling. Software - Practice and Experience, 1997, 27, 63-85.	2.5	4
89	Implementing distributed process farms. Microprocessors and Microsystems, 1995, 19, 413-422.	1.8	0
90	Reusing sequential software in a distributed environment. Distributed Systems Engineering, 1995, 2, 2-13.	0.6	1

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91	Graphical design of distributed applications through reusable components. IEEE Parallel and Distributed Technology, 1995, 3, 37-50.	0.7	20
92	Wide-address spaces. Operating Systems Review (ACM), 1993, 27, 11-17.	1.5	7
93	Supporting load distribution strategies in message-passing multiprocessors: a case study. Microprocessors and Microsystems, 1991, 15, 549-558.	1.8	0