

# Eric Medvet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/312018/publications.pdf>

Version: 2024-02-01

117  
papers

1,390  
citations

687363

13  
h-index

642732

23  
g-index

122  
all docs

122  
docs citations

122  
times ranked

659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual-similarity-based phishing detection. , 2008, , .		103
2	Detecting Android malware using sequences of system calls. , 2015, , .		91
3	Effectiveness of Opcode ngrams for Detection of Multi Family Android Malware. , 2015, , .		75
4	Inference of Regular Expressions for Text Extraction from Examples. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1217-1230.	5.7	62
5	Crossing the Reality Gap: A Survey on Sim-to-Real Transferability of Robot Controllers in Reinforcement Learning. IEEE Access, 2021, 9, 153171-153187.	4.2	47
6	Automatic Synthesis of Regular Expressions from Examples. Computer, 2014, 47, 72-80.	1.1	43
7	Publication Venue Recommendation Based on Paper Abstract. , 2014, , .		38
8	Visualizing the outcome of dynamic analysis of Android malware with VizMal. Journal of Information Security and Applications, 2020, 50, 102423.	2.5	37
9	Evolutionary Inference of Attribute-Based Access Control Policies. Lecture Notes in Computer Science, 2015, , 351-365.	1.3	35
10	A probabilistic approach to printed document understanding. International Journal on Document Analysis and Recognition, 2011, 14, 335-347.	3.4	34
11	Anomaly detection techniques for a web defacement monitoring service. Expert Systems With Applications, 2011, 38, 12521-12530.	7.6	32
12	Automatic generation of regular expressions from examples with genetic programming. , 2012, , .		32
13	Acquiring and Analyzing App Metrics for Effective Mobile Malware Detection. , 2016, , .		32
14	Evil twins and WPA2 Enterprise: A coming security disaster?. Computers and Security, 2018, 74, 1-11.	6.0	26
15	Impact of Code Obfuscation on Android Malware Detection based on Static and Dynamic Analysis. , 2018, , .		25
16	Spotting the Malicious Moment: Characterizing Malware Behavior Using Dynamic Features. , 2016, , .		24
17	Active Learning of Regular Expressions for Entity Extraction. IEEE Transactions on Cybernetics, 2018, 48, 1067-1080.	9.5	22
18	Biodiversity in evolved voxel-based soft robots. , 2021, , .		21

#	ARTICLE	IF	CITATIONS
19	2D-VSR-Sim: A simulation tool for the optimization of 2-D voxel-based soft robots. <i>SoftwareX</i> , 2020, 12, 100573.	2.6	20
20	Evolution of distributed neural controllers for voxel-based soft robots. , 2020, , .		18
21	Detection of Obfuscation Techniques in Android Applications. , 2018, , .		17
22	Learning Text Patterns Using Separate-and-Conquer Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2015, , 16-27.	1.3	15
23	Evolving modular soft robots without explicit inter-module communication using local self-attention. , 2022, , .		15
24	The Reaction Time to Web Site Defacements. <i>IEEE Internet Computing</i> , 2009, 13, 52-58.	3.3	14
25	A Framework for Large-Scale Detection of Web Site Defacements. <i>ACM Transactions on Internet Technology</i> , 2010, 10, 1-37.	4.4	14
26	A Comparative Analysis of Dynamic Locality and Redundancy in Grammatical Evolution. <i>Lecture Notes in Computer Science</i> , 2017, , 326-342.	1.3	13
27	Bibliometric Evaluation of Researchers in the InternetÂAge. <i>Information Society</i> , 2014, 30, 349-354.	2.9	12
28	Can a Machine Replace Humans in Building Regular Expressions? A Case Study. <i>IEEE Intelligent Systems</i> , 2016, 31, 15-21.	4.0	12
29	Your Paper has been Accepted, Rejected, or Whatever: Automatic Generation of Scientific Paper Reviews. <i>Lecture Notes in Computer Science</i> , 2016, , 19-28.	1.3	12
30	Weighted Hierarchical Grammatical Evolution. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 476-488.	9.5	12
31	Learning a Formula of Interpretability to Learn Interpretable Formulas. <i>Lecture Notes in Computer Science</i> , 2020, , 79-93.	1.3	12
32	Detection of Hidden Fraudulent URLs within Trusted Sites Using Lexical Features. , 2013, , .		11
33	Detection of Malicious Web Pages Using System Calls Sequences. <i>Lecture Notes in Computer Science</i> , 2014, , 226-238.	1.3	11
34	Evolvability in grammatical evolution. , 2017, , .		11
35	An analysis of dimensionality reduction techniques for visualizing evolution. , 2019, , .		11
36	Multi-level diversity promotion strategies for Grammar-guided Genetic Programming. <i>Applied Soft Computing Journal</i> , 2019, 83, 105599.	7.2	11

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37	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.	2.2	11
38	On the Impact of the Rules on Autonomous Drive Learning. Applied Sciences (Switzerland), 2020, 10, 2394.	2.5	11
39	Criticality-Driven Evolution of Adaptable Morphologies of Voxel-Based Soft-Robots. Frontiers in Robotics and AI, 2021, 8, 673156.	3.2	11
40	On the effects of pruning on evolved neural controllers for soft robots. , 2021, , .		11
41	Model learning with personalized interpretability estimation (ML-PIE). , 2021, , .		11
42	Automatic Integrity Checks for Remote Web Resources. IEEE Internet Computing, 2006, 10, 56-62.	3.3	10
43	Automatic Face Annotation in News Images by Mining the Web. , 2011, , .		10
44	Playing regex golf with genetic programming. , 2014, , .		10
45	Hierarchical grammatical evolution. , 2017, , .		10
46	(In)Secure Configuration Practices of WPA2 Enterprise Supplicants. , 2018, , .		10
47	Beyond Body Shape and Brain: Evolving the Sensory Apparatus of Voxel-Based Soft Robots. Lecture Notes in Computer Science, 2021, , 210-226.	1.3	10
48	Exploring the Usage of Topic Modeling for Android Malware Static Analysis. , 2016, , .		9
49	Unveiling evolutionary algorithm representation with DU maps. Genetic Programming and Evolvable Machines, 2018, 19, 351-389.	2.2	9
50	Syntactical Similarity Learning by Means of Grammatical Evolution. Lecture Notes in Computer Science, 2016, , 260-269.	1.3	9
51	Mining Road Traffic Rules with Signal Temporal Logic and Grammar-Based Genetic Programming. Applied Sciences (Switzerland), 2021, 11, 10573.	2.5	9
52	Detection of Web Defacements by means of Genetic Programming. , 2007, , .		8
53	Brand-Related Events Detection, Classification and Summarization on Twitter. , 2012, , .		7
54	Image processing issues in a social assistive system for the blind. , 2015, , .		7

#	ARTICLE	IF	CITATIONS
55	Evolutionary Synthesis of Sensing Controllers for Voxel-based Soft Robots. , 2019, , .		7
56	Speeding-up pruning for Artificial Neural Networks: Introducing Accelerated Iterative Magnitude Pruning. , 2021, , .		7
57	Merging pruning and neuroevolution: towards robust and efficient controllers for modular soft robots. Knowledge Engineering Review, 2022, 37, .	2.6	7
58	On the Schedule for Morphological Development of Evolved Modular Soft Robots. Lecture Notes in Computer Science, 2022, , 146-161.	1.3	7
59	Open world classification of printed invoices. , 2010, , .		6
60	Computer vision for the blind: A dataset for experiments on face detection and recognition. , 2016, , .		5
61	Specializing Context-Free Grammars With a (1 + 1)-EA. IEEE Transactions on Evolutionary Computation, 2020, 24, 960-973.	10.0	5
62	A Complete Framework for the Synthesis of Powered Floor Systems. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1045-1055.	5.8	5
63	Evolutionary Optimization of Graphs with GraphEA. Lecture Notes in Computer Science, 2021, , 83-98.	1.3	5
64	Road Traffic Rules Synthesis Using Grammatical Evolution. Lecture Notes in Computer Science, 2017, , 173-188.	1.3	5
65	Active learning approaches for learning regular expressions with genetic programming. , 2016, , .		5
66	Towards More Natural Social Interactions of Visually Impaired Persons. Lecture Notes in Computer Science, 2015, , 729-740.	1.3	5
67	A Comparative Study of Anomaly Detection Techniques in Web Site Defacement Detection. International Federation for Information Processing, 2008, , 711-716.	0.4	5
68	Optimizing the Sensory Apparatus of Voxel-Based Soft Robots Through Evolution and Babbling. SN Computer Science, 2022, 3, 1.	3.6	5
69	Evolutionary Learning of Syntax Patterns for Genic Interaction Extraction. , 2015, , .		4
70	An effective diversity promotion mechanism in grammatical evolution. , 2017, , .		4
71	On the Automatic Design of a Representation for Grammar-Based Genetic Programming. Lecture Notes in Computer Science, 2018, , 101-117.	1.3	4
72	Automatic Search-and-Replace From Examples With Coevolutionary Genetic Programming. IEEE Transactions on Cybernetics, 2021, 51, 2612-2624.	9.5	4

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73	Compressing Regular Expression Sets for Deep Packet Inspection. Lecture Notes in Computer Science, 2014, , 394-403.	1.3	4
74	GP-Based Electricity Price Forecasting. Lecture Notes in Computer Science, 2011, , 37-48.	1.3	4
75	Evolutionary Synthesis of Sensing Controllers for Voxel-based Soft Robots. , 2019, , .		4
76	On the Assessment of Segmentation Methods for Images of Mosaics. , 2015, , .		4
77	Automatic Synthesis of Regular Expressions from Examples. Computer, 2013, , 1-1.	1.1	3
78	Automatic string replace by examples. , 2013, , .		3
79	Data Quality Challenge. Journal of Data and Information Quality, 2015, 6, 1-4.	2.1	3
80	"Best Dinner Ever!!!": Automatic Generation of Restaurant Reviews with LSTM-RNN. , 2016, , .		3
81	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.	0.9	3
82	Design of Powered Floor Systems for Mobile Robots with Differential Evolution. Lecture Notes in Computer Science, 2019, , 19-32.	1.3	3
83	GOMGE: Gene-Pool Optimal Mixing on Grammatical Evolution. Lecture Notes in Computer Science, 2018, , 223-235.	1.3	3
84	Recording and Replaying Navigations on AJAX Web Sites. Lecture Notes in Computer Science, 2012, , 370-377.	1.3	3
85	Mosaic Images Segmentation using U-net. , 2020, , .		3
86	On the Similarity between Hidden Layers of Pruned and Unpruned Convolutional Neural Networks. , 2020, , .		3
87	Exploring the Potential of GPT-2 for Generating Fake Reviews of Research Papers. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	3
88	Merging pruning and neuroevolution: towards robust and efficient controllers for modular soft robots " Corrigendum. Knowledge Engineering Review, 2022, 37, .	2.6	3
89	Semisupervised Wrapper Choice and Generation for Print-Oriented Documents. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 208-220.	5.7	2
90	An Architecture for Anonymous Mobile Coupons in a Large Network. Journal of Computer Networks and Communications, 2016, 2016, 1-10.	1.6	2

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91	A Language and an Inference Engine for Twitter Filtering Rules. , 2016, , .		2
92	Predicting the effectiveness of pattern-based entity extractor inference. Applied Soft Computing Journal, 2016, 46, 398-406.	7.2	2
93	A Language for UAV Traffic Rules in an Urban Environment and Decentralized Scenario. , 2017, , .		2
94	The DU map. , 2017, , .		2
95	Designing automatically a representation for grammatical evolution. Genetic Programming and Evolvable Machines, 2019, 20, 37-65.	2.2	2
96	Crowded Environment Navigation with NEAT: Impact of Perception Resolution on Controller Optimization. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	3.4	2
97	VizMal: A Visualization Tool for Analyzing the Behavior of Android Malware. , 2018, , .		2
98	Automatic Translation of Spatio-Temporal Logics to Streaming-Based Monitoring Applications for IoT-Equipped Autonomous Agents. , 2019, , .		2
99	Investigating Similarity Metrics for Convolutional Neural Networks in the Case of Unstructured Pruning. Lecture Notes in Computer Science, 2020, , 87-111.	1.3	2
100	Evolving Modularity in Soft Robots Through an Embodied and Self-Organizing Neural Controller. Artificial Life, 0, , 1-26.	1.3	2
101	A look at hidden web pages in Italian public administrations. , 2012, , .		1
102	A novel estimation methodology for tracheal pressure in mechanical ventilation control. , 2013, , .		1
103	Continuous and Non-intrusive Reauthentication of Web Sessions Based on Mouse Dynamics. , 2014, , .		1
104	On the Automatic Construction of Regular Expressions from Examples (GP vs. Humans 1-0). , 2016, , .		1
105	Selfish vs. global behavior promotion in car controller evolution. , 2018, , .		1
106	Exploring the application of GOMEA to bit-string GE. , 2018, , .		1
107	Enterprise wi-fi. Communications of the ACM, 2019, 62, 33-35.	4.5	1
108	Interactive example-based finding of text items. Expert Systems With Applications, 2020, 154, 113403.	7.6	1

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109	Understanding Needs, Identifying Opportunities: ICT in the View of Universal Design. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 31-40.	0.3	1
110	Computer Vision for the Blind: A Comparison of Face Detectors in a Relevant Scenario. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 145-154.	0.3	1
111	One-Shot Learning of Ensembles of Temporal Logic Formulas for Anomaly Detection in Cyber-Physical Systems. Lecture Notes in Computer Science, 2022, , 34-50.	1.3	1
112	Camera-based Scrolling Interface for Hand-held Devices. , 2008, , .		0
113	Rainbow crypt: Securing communication through a protected visual channel. , 2011, , .		0
114	Correction to "Inference of Regular Expressions for Text Extraction from Examples": IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1944-1944.	5.7	0
115	Back To The Basics. , 2018, , .		0
116	Communication-based cooperative tasks. , 2019, , .		0
117	Evolutionary optimization of sliding contact positions in powered floor systems for mobile robots. Automatisierungstechnik, 2020, 68, 97-109.	0.8	0