

Alfredo Milani

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

1,430
citations

430754

18
h-index

526166

27
g-index

136
all docs

136
docs citations

136
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Algebraic Differential Evolution Algorithm for the Permutation Flowshop Scheduling Problem With Total Flowtime Criterion. IEEE Transactions on Evolutionary Computation, 2016, 20, 682-694.	7.5	98
2	Emotional sounds of crowds: spectrogram-based analysis using deep learning. Multimedia Tools and Applications, 2020, 79, 36063-36075.	2.6	68
3	Emotional States Associated with Music. ACM Transactions on Interactive Intelligent Systems, 2015, 5, 1-36.	2.6	36
4	Differential Evolution for Neural Networks Optimization. Mathematics, 2020, 8, 69.	1.1	36
5	PMING Distance: A Collaborative Semantic Proximity Measure. , 2012, , .		34
6	Probabilistic Aspect Mining Model for Drug Reviews. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2002-2013.	4.0	31
7	Emotional machines: The next revolution. Web Intelligence, 2019, 17, 1-7.	0.1	31
8	Variable neighborhood algebraic Differential Evolution: An application to the Linear Ordering Problem with Cumulative Costs. Information Sciences, 2020, 507, 37-52.	4.0	30
9	Web-based similarity for emotion recognition in web objects. , 2016, , .		29
10	Heuristic semantic walk for concept chaining in collaborative networks. International Journal of Web Information Systems, 2014, 10, 85-103.	1.3	28
11	Solving permutation flowshop scheduling problems with a discrete differential evolution algorithm. AI Communications, 2016, 29, 269-286.	0.8	26
12	An algebraic framework for swarm and evolutionary algorithms in combinatorial optimization. Swarm and Evolutionary Computation, 2020, 55, 100673.	4.5	25
13	Intelligent Social Media Indexing and Sharing Using an Adaptive Indexing Search Engine. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-27.	2.9	24
14	Improving Link Ranking Quality by Quasi-Common Neighbourhood. , 2015, , .		24
15	Context-based image semantic similarity. , 2015, , .		23
16	SEMO. , 2017, , .		23
17	Collective Evolutionary Concept Distance Based Query Expansion for Effective Web Document Retrieval. Lecture Notes in Computer Science, 2013, , 657-672.	1.0	22
18	A Clustering System for Dynamic Data Streams Based on Metaheuristic Optimisation. Mathematics, 2019, 7, 1229.	1.1	22

#	ARTICLE	IF	CITATIONS
19	Heuristics for Semantic Path Search in Wikipedia. Lecture Notes in Computer Science, 2014, , 327-340.	1.0	22
20	Semantic context extraction from collaborative networks. , 2015, , .		21
21	Algebraic Particle Swarm Optimization for the permutations search space. , 2017, , .		21
22	Emotional affordances in human-machine interactive planning and negotiation. , 2017, , .		20
23	A Differential Evolution Algorithm for the Permutation Flowshop Scheduling Problem with Total Flow Time Criterion. Lecture Notes in Computer Science, 2014, , 161-170.	1.0	20
24	Set Similarity Measures for Images Based on Collective Knowledge. Lecture Notes in Computer Science, 2015, , 408-417.	1.0	20
25	A Bidirectional Heuristic Search for web service composition with costs. International Journal of Web and Grid Services, 2010, 6, 160.	0.4	19
26	Experimental evaluation of pheromone models in ACOPlan. Annals of Mathematics and Artificial Intelligence, 2011, 62, 187-217.	0.9	19
27	Linear Ordering Optimization with a Combinatorial Differential Evolution. , 2015, , .		18
28	Artificial Intelligence Visual Metaphors in E-Learning Interfaces for Learning Analytics. Applied Sciences (Switzerland), 2020, 10, 7195.	1.3	18
29	NMDS codes of maximal length over F_q . IEEE Transactions on Information Theory, 2002, 48, 963-966.	1.5	17
30	Community of scientist optimization: An autonomy oriented approach to distributed optimization. AI Communications, 2012, 25, 157-172.	0.8	17
31	An Optimisation-Driven Prediction Method for Automated Diagnosis and Prognosis. Mathematics, 2019, 7, 1051.	1.1	17
32	Semantic Heuristic Search in Collaborative Networks: Measures and Contexts. , 2014, , .		16
33	A Multistrain Bacterial Diffusion Model for Link Prediction. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1759024.	0.7	16
34	Heuristic Semantic Walk. Lecture Notes in Computer Science, 2013, , 643-656.	1.0	16
35	An Extension of Algebraic Differential Evolution for the Linear Ordering Problem with Cumulative Costs. Lecture Notes in Computer Science, 2016, , 123-133.	1.0	15
36	PLANNING IN REACTIVE ENVIRONMENTS. Computational Intelligence, 2007, 23, 439-463.	2.1	14

#	ARTICLE	IF	CITATIONS
37	Asynchronous Differential Evolution. , 2010, , .		14
38	Leveraging Zero Tail in Neighbourhood for Link Prediction. , 2015, , .		14
39	An Algebraic Differential Evolution for the Linear Ordering Problem. , 2015, , .		14
40	A Semantic Comparison of Clustering Algorithms for the Evaluation of Web-Based Similarity Measures. Lecture Notes in Computer Science, 2016, , 438-452.	1.0	14
41	Learning Bayesian Networks with Algebraic Differential Evolution. Lecture Notes in Computer Science, 2018, , 436-448.	1.0	14
42	Maximal (n,3)-arcs in PG(2,11). Discrete Mathematics, 1999, 208-209, 421-426.	0.4	13
43	A Web-Based System for Emotion Vector Extraction. Lecture Notes in Computer Science, 2017, , 653-668.	1.0	13
44	A New Precedence-Based Ant Colony Optimization for Permutation Problems. Lecture Notes in Computer Science, 2017, , 960-971.	1.0	13
45	A Preliminary Work on Dog Emotion Recognition. , 2019, , .		13
46	Maximal $\langle \text{mml:math altimg="si41.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:xoc="http://www.elsevier.com/xml/xocs/dtd" xmlns:tbl="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:sc="http://www.elsevier.com/xml/sc/dtd" xmlns:tbl="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:sc="http://www.elsevier.com/xml/sc/dtd"	0.4	12
47	Maximal $\langle \text{mml:math altimg="si41.gif" overflow="scroll"} \rangle$ xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:xoc="http://www.elsevier.com/xml/xocs/dtd" xmlns:tbl="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:tbl="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:sc="http://www.elsevier.com/xml/sc/dtd"	0.4	12
48	A Binary Algebraic Differential Evolution for the MultiDimensional Two-Way Number Partitioning Problem. Lecture Notes in Computer Science, 2019, , 17-32.	1.0	12
49	Particle Swarm Optimization in the EDAs Framework. Advances in Intelligent and Soft Computing, 2011, , 87-96.	0.2	12
50	Multi-path traces in semantic graphs for latent knowledge elicitation. , 2015, , .		11
51	A Pheromone-Like Model for Semantic Context Extraction from Collaborative Networks. , 2015, , .		11
52	MOEA/DEP: An Algebraic Decomposition-Based Evolutionary Algorithm for the Multiobjective Permutation Flowshop Scheduling Problem. Lecture Notes in Computer Science, 2018, , 132-145.	1.0	11
53	Clustering Facebook for Biased Context Extraction. Lecture Notes in Computer Science, 2017, , 717-729.	1.0	10
54	Social Cooperation in Autonomous Agents to Avoid the Tragedy of the Commons. International Journal of Agricultural and Environmental Information Systems, 2017, 8, 1-19.	1.8	10

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55	Clustering Students Interactions in eLearning Systems for Group Elicitation. Lecture Notes in Computer Science, 2018, , 398-413.	1.0	10
56	Tackling Permutation-based Optimization Problems with an Algebraic Particle Swarm Optimization Algorithm. Fundamenta Informaticae, 2019, 167, 133-158.	0.3	10
57	Automatic Algebraic Evolutionary Algorithms. Communications in Computer and Information Science, 2018, , 271-283.	0.4	10
58	Detecting Hate Speech for Italian Language in Social Media. , 2018, , 239-243.		10
59	Structural and Semantic Proximity in Information Networks. Lecture Notes in Computer Science, 2017, , 651-666.	1.0	8
60	Errors, Biases and Overconfidence in Artificial Emotional Modeling. , 2019, , .		8
61	Emotion Recognition for Self-aid in Addiction Treatment, Psychotherapy, and Nonviolent Communication. Lecture Notes in Computer Science, 2019, , 391-404.	1.0	8
62	Classification of the $(n, 3)$ -arcs in $PG(2, 7)$. Journal of Geometry, 2004, 80, 179.	0.1	7
63	A multistrain bacterial model for link prediction andrea chiancone. , 2015, , .		7
64	Analysis of tweets to find the basis of popularity based on events semantic similarity. International Journal of Web Information Systems, 2018, 14, 438-452.	1.3	7
65	An experimental comparison of algebraic differential evolution using different generating sets. , 2019, , .		7
66	Using Optimisation Meta-Heuristics for the Roughness Estimation Problem in River Flow Analysis. Applied Sciences (Switzerland), 2021, 11, 10575.	1.3	7
67	Community elicitation from co-occurrence of activities. Future Generation Computer Systems, 2020, 110, 904-917.	4.9	6
68	Data Summarization Model for User Action Log Files. Lecture Notes in Computer Science, 2012, , 539-549.	1.0	6
69	Lie to Me: Shield Your Emotions from Prying Software. Sensors, 2022, 22, 967.	2.1	6
70	Self regulating mechanisms for network immunization. AI Communications, 2016, 29, 301-317.	0.8	5
71	Dimensional Morphing Interface for Dynamic Learning Evaluation. , 2018, , .		5
72	Context-Based Image Semantic Similarity for Prosthetic Knowledge. , 2018, , .		5

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73	Algebraic Crossover Operators for Permutations. , 2018, , .		5
74	Community Graph Elicitation from Studentsâ€™ Interactions in Virtual Learning Environments. Lecture Notes in Computer Science, 2018, , 414-425.	1.0	5
75	An ACO Approach to Planning. Lecture Notes in Computer Science, 2009, , 73-84.	1.0	5
76	A Bidirectional Heuristic Search Technique for Web Service Composition. Lecture Notes in Computer Science, 2010, , 309-320.	1.0	5
77	Planning Based Integration of Web Services. , 2006, , .		4
78	Experience of blended e-learning in post-graduate training for High School Teaching Qualification. , 2007, , .		4
79	Blended e-Learning: Survey of On-line Student Assessment. , 2008, , .		4
80	A discrete differential evolution algorithm for multi-objective permutation flowshop scheduling. Intelligenza Artificiale, 2016, 10, 81-95.	1.0	4
81	Search moves in the local optima networks of permutation spaces. , 2019, , .		4
82	An Architecture for Evolutionary Adaptive Web Systems. Lecture Notes in Computer Science, 2005, , 444-454.	1.0	3
83	Optimizing Web Content Presentation: A Online PSO Approach. , 2009, , .		3
84	Community Adaptive Search Engines. International Journal of Advanced Intelligence Paradigms, 2009, 1, 432.	0.2	3
85	Covariance-based parameters adaptation in differential evolution. , 2011, , .		3
86	Sentiment Extraction and Classification for the Analysis of Users Interest in Tweets. International Journal of Web Information Systems, 2018, , 00-00.	1.3	3
87	Multi-Term Semantic Context Elicitation from Collaborative Networks. , 2018, , .		3
88	Efficient Graph-Based Author Disambiguation by Topological Similarity in DBLP. , 2018, , .		3
89	Evolutionary Algorithms for Roughness Coefficient Estimation in River Flow Analyses. Lecture Notes in Computer Science, 2021, , 795-811.	1.0	3
90	Emojis Pictogram Classification for Semantic Recognition of Emotional Context. Lecture Notes in Computer Science, 2021, , 146-156.	1.0	3

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91	Parsing Tools for Italian Phraseological Units. Lecture Notes in Computer Science, 2021, , 427-435.	1.0	3
92	Set Semantic Similarity for Image Prosthetic Knowledge Exchange. Lecture Notes in Computer Science, 2019, , 513-525.	1.0	3
93	Reshaping Higher Education with e-Studium, a 10-Years Capstone in Academic Computing. Lecture Notes in Computer Science, 2020, , 293-303.	1.0	3
94	Exploring Negative Emotions to Preserve Social Distance in a Pandemic Emergency. Lecture Notes in Computer Science, 2020, , 562-573.	1.0	3
95	An Experimental Comparison of Algebraic Crossover Operators for Permutation Problems. Fundamenta Informaticae, 2020, 174, 201-228.	0.3	3
96	Learning to Classify Text Complexity for the Italian Language Using Support Vector Machines. Lecture Notes in Computer Science, 2020, , 367-376.	1.0	3
97	Deep Autoencoders for Unsupervised Damage Detection with Application to the Z24 Benchmark Bridge. Lecture Notes in Civil Engineering, 2023, , 1048-1057.	0.3	3
98	Modeling educational domains in a planning framework. , 2005, , .		2
99	E-studium: an Italian experience of blended e-learning for university education support. , 2007, , .		2
100	Evolutionary Algorithms in Intelligent Systems. Mathematics, 2020, 8, 1733.	1.1	2
101	Text Classification for Italian Proficiency Evaluation. Lecture Notes in Computer Science, 2019, , 830-841.	1.0	2
102	A Framework for QoS Based Dynamic Web Services Composition. Lecture Notes in Computer Science, 2012, , 528-538.	1.0	2
103	Neural Network Based Approach for Learning Planning Action Models. Lecture Notes in Computer Science, 2019, , 526-537.	1.0	2
104	Evolutionary online services. , 2005, , .		1
105	User Session Models for Educational Systems based on Multiple Knowledge Structures. , 2007, , .		1
106	Modeling Online User Behavior. , 2008, , .		1
107	Soft User Behavior Modeling in Virtual Environments. , 2008, , .		1
108	Adaptive search engines as discovery games. , 2008, , .		1

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109	Playfully Coding. , 2017, , .		1
110	Integrating Binary Similarity Measures in the Link Prediction Task. , 2018, , .		1
111	Differential Evolution of Correlation Indexes for Link Prediction. , 2018, , .		1
112	Spatial Assignment Optimization of Vaccine Units in the Covid-19 Pandemics. Lecture Notes in Computer Science, 2021, , 448-459.	1.0	1
113	An Evolutionary Algorithm for Adaptive Online Services in Dynamic Environment. Lecture Notes in Computer Science, 2008, , 626-632.	1.0	1
114	Planning with Sets. Lecture Notes in Computer Science, 2015, , 399-409.	1.0	1
115	Impact of Time Granularity on Histories Binary Correlation Analysis. Lecture Notes in Computer Science, 2019, , 323-335.	1.0	1
116	An Algebraic Approach for the Search Space of Permutations with Repetition. Lecture Notes in Computer Science, 2020, , 18-34.	1.0	1
117	How Virtual Reality Influenced Emotional Well-being Worldwide During the Covid-19 Pandemics. , 2021, , .		1
118	An Architecture for Dynamical News Providers. , 2006, , .		0
119	Genetic Blind Image Restoration With Dynamical Local Evaluation. , 2008, , .		0
120	Online PSO for Web Marketing Optimization. , 2009, , .		0
121	Self Regulating Immunization Strategy for High Clustering Networks. , 2015, , .		0
122	Discovering Popular Events on Twitter. Lecture Notes in Computer Science, 2016, , 1-11.	1.0	0
123	Completeness of the 95256-cap in PG (12, 4). Electronic Notes in Discrete Mathematics, 2017, 57, 27-32.	0.4	0
124	Modeling Agentsâ€™ Knowledge in Collective Evolutionary Systems. Lecture Notes in Computer Science, 2009, , 924-936.	1.0	0
125	Community Adaptive Educational Games. Lecture Notes in Computer Science, 2011, , 45-54.	1.0	0
126	Truth maintenance in approximate reasoning. Lecture Notes in Computer Science, 1991, , 430-434.	1.0	0

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127	Automated Web Services Composition with Iterated Services. Lecture Notes in Computer Science, 2017, , 185-194.	1.0	0
128	Adaptive Indexing for Semantic Music Information Retrieval. , 0, , 287-300.		0
129	Producing Artificial Male Voices with Maternal Features for Relaxation. , 2021, , .		0
130	E-studium: an Italian experience of blended e-learning E-studium: an Italian experience of blended e-learning. Database and Expert Systems Applications (DEXA), Proceedings of the International Workshop on, 2007, , .	0.0	0