Jose Raul Jr Romero

List of Publications by Year
in descending order

61 papers	1,094 citations	471477 17 h-index	434170 31 g-index
62 all docs	62 docs citations	62 times ranked	924 citing authors

#	Article	IF	Citations
1	An experimental comparison of metaheuristic frameworks for multiâ€objective optimization. Expert Systems, 2023, 40, e12672.	4.5	1
2	GEML: A grammar-based evolutionary machine learning approach for design-pattern detection. Journal of Systems and Software, 2021, 175, 110919.	4.5	4
3	Interactivity in the Generation of Test Cases with Evolutionary Computation. , 2021, , .		3
4	A systematic literature review of the SBSE research community in Spain. Progress in Artificial Intelligence, 2020, 9, 113-128.	2.4	3
5	JCLEC-MO: A Java suite for solving many-objective optimization engineering problems. Engineering Applications of Artificial Intelligence, 2019, 81, 14-28.	8.1	8
6	A survey of many-objective optimisation in search-based software engineering. Journal of Systems and Software, 2019, 149, 382-395.	4.5	65
7	A Systematic Review of Interaction in Search-Based Software Engineering. IEEE Transactions on Software Engineering, 2019, 45, 760-781.	5.6	33
8	On the Need of Opening the Big Data Landscape to Everyone: Challenges and New Trends. , 2018, , 675-687.		2
9	Interactive multi-objective evolutionary optimization of software architectures. Information Sciences, 2018, 463-464, 92-109.	6.9	22
10	On the effect of local search in the multi-objective evolutionary discovery of software architectures. , 2017, , .		0
11	Evolutionary composition of QoS-aware web services: A many-objective perspective. Expert Systems With Applications, 2017, 72, 357-370.	7.6	67
12	Memetic Algorithms for the Automatic Discovery of Software Architectures. Advances in Intelligent Systems and Computing, 2017, , 437-447.	0.6	1
13	A comparative study of many-objective evolutionary algorithms for the discovery of software architectures. Empirical Software Engineering, 2016, 21, 2546-2600.	3.9	16
14	An evolutionary algorithm for the discovery of rare class association rules in learning management systems. Applied Intelligence, 2015, 42, 501-513.	5.3	53
15	An approach for the evolutionary discovery of software architectures. Information Sciences, 2015, 305, 234-255.	6.9	15
16	An Extensible JCLEC-based Solution for the Implementation of Multi-Objective Evolutionary Algorithms. , 2015, , .		5
17	Reducing gaps in quantitative association rules: A genetic programming free-parameter algorithm. Integrated Computer-Aided Engineering, 2014, 21, 321-337.	4.6	44
18	A Survey on Pre-Processing Educational Data. Studies in Computational Intelligence, 2014, , 29-64.	0.9	48

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19	Single and multi-objective ant programming for mining interesting rare association rules. International Journal of Hybrid Intelligent Systems, 2014, 11, 197-209.	1.2	2
20	On the adaptability of G3PARM to the extraction of rare association rules. Knowledge and Information Systems, 2014, 38, 391-418.	3.2	28
21	Swarm-based metaheuristics in automatic programming: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 445-469.	6.8	11
22	On the Use of Genetic Programming for Mining Comprehensible Rules in Subgroup Discovery. IEEE Transactions on Cybernetics, 2014, 44, 2329-2341.	9.5	40
23	On the performance of multiple objective evolutionary algorithms for software architecture discovery. , 2014, , .		9
24	Ant Programming Algorithms for Classification. Advances in Data Mining and Database Management Book Series, 2014, , 107-128.	0.5	1
25	Web usage mining for predicting final marks of students that use Moodle courses. Computer Applications in Engineering Education, 2013, 21, 135-146.	3.4	198
26	On the use of ant programming for mining rare association rules. , 2013, , .		1
27	The Reference Model of Open Distributed Processing: Foundations, experience and applications. Computer Standards and Interfaces, 2013, 35, 247-256.	5.4	10
28	Grammar-based multi-objective algorithms for mining association rules. Data and Knowledge Engineering, 2013, 86, 19-37.	3.4	28
29	A novel component identification approach using evolutionary programming. , 2013, , .		2
30	A Tool for the Model-Based Specification of Open Distributed Systems. Computer Journal, 2013, 56, 793-818.	2.4	2
31	Mining association rules with single and multi-objective grammar guided ant programming. Integrated Computer-Aided Engineering, 2013, 20, 217-234.	4.6	24
32	Discovering Subgroups by Means of Genetic Programming. Lecture Notes in Computer Science, 2013, , 121-132.	1.3	8
33	Classification rule mining using ant programming guided by grammar with multiple Pareto fronts. Soft Computing, 2012, 16, 2143-2163.	3.6	17
34	A genetic programming free-parameter algorithm for mining association rules. , 2012, , .		1
35	VisualJCLEC: A visual framework for evolutionary computation. , 2012, , .		1
36	Binary and multiclass imbalanced classification using multi-objective ant programming. , 2012, , .		2

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37	Design and behavior study of a grammar-guided genetic programming algorithm for mining association rules. Knowledge and Information Systems, 2012, 32, 53-76.	3.2	67
38	Multi-Objective Ant Programming for Mining Classification Rules. Lecture Notes in Computer Science, 2012, , 146-157.	1.3	4
39	Mining and representing rare association rules through the use of genetic programming. , 2011, , .		1
40	Association rule mining using a multi-objective grammar-based ant programming algorithm. , 2011, , .		12
41	Using Ant Programming Guided by Grammar for Building Rule-Based Classifiers. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1585-1599.	5.0	29
42	RM-Tool: A framework for discovering and evaluating association rules. Advances in Engineering Software, 2011, 42, 566-576.	3.8	23
43	Message from WODPEC 2010 Workshop Co-chairs. , 2010, , .		0
44	G3PARM: A Grammar Guided Genetic Programming algorithm for mining association rules. , 2010, , .		8
45	On the Synchronization of ODP Textual and Graphical Specifications. , 2010, , .		0
46	A grammar based Ant Programming algorithm for mining classification rules. , 2010, , .		7
47	An intruder detection approach based on infrequent rating pattern mining. , 2010, , .		3
48	An Automatic Programming ACO-Based Algorithm for Classification Rule Mining. Advances in Intelligent and Soft Computing, 2010, , 649-656.	0.2	2
49	Analysis of the Effectiveness of G3PARM Algorithm. Lecture Notes in Computer Science, 2010, , 27-34.	1.3	2
50	Realizing Correspondences in Multi-viewpoint Specifications. , 2009, , .		34
51	Behavior, Time and Viewpoint Consistency: Three Challenges for MDE. Lecture Notes in Computer Science, 2009, , 60-65.	1.3	4
52	Well-formed Rules for Viewpoint Correspondences Specification. , 2008, , .		7
53	Change Management in Multi-Viewpoint System Using ASP. , 2008, , .		21
54	From programming to modeling. , 2008, , .		6

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55	An Overview Of Model-Driven Web Engineering and the Mda. Human-computer Interaction Series, 2008, , 353-382.	0.6	22
56	Modeling ODP Computational Specifications Using UML. Computer Journal, 2007, 51, 435-450.	2.4	3
57	Requirements for ODP Enterprise Architecture Tools. , 2007, , .		1
58	Writing and executing ODP computational viewpoint specifications using Maude. Computer Standards and Interfaces, 2007, 29, 481-498.	5.4	6
59	Formal and Tool Support for Model Driven Engineering with Maude.. Journal of Object Technology, 2007, 6, 187.	0.9	51
60	On the Execution of ODP Computational Specifications. , 2006, , .		0
61	Modeling the ODP Computational Viewpoint with UML 2.0. , 0, , .		6