

Heder Bernardino

List of Publications by Year in descending order

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66
papers

600
citations

840585

11
h-index

887953

17
g-index

73
all docs

73
docs citations

73
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Ant colony approaches for multiobjective structural optimization problems with a cardinality constraint. <i>Advances in Engineering Software</i> , 2015, 80, 101-115.	1.8	52
2	A hybrid genetic algorithm for constrained optimization problems in mechanical engineering. , 2007, , .		49
3	A new hybrid AIS-GA for constrained optimization problems in mechanical engineering. , 2008, , .		41
4	Using performance profiles to analyze the results of the 2006 CEC constrained optimization competition. , 2010, , .		39
5	Truss optimization with multiple frequency constraints and automatic member grouping. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 547-577.	1.7	34
6	Artificial Immune Systems for Optimization. <i>Studies in Computational Intelligence</i> , 2009, , 389-411.	0.7	28
7	Surrogate-assisted clonal selection algorithms for expensive optimization problems. <i>Evolutionary Intelligence</i> , 2011, 4, 81-97.	2.3	20
8	An analysis of the fees and pending time correlation in Ethereum. <i>International Journal of Network Management</i> , 2021, 31, e2113.	1.4	16
9	Performance evaluation of local surrogate models in differential evolution-based optimum design of truss structures. <i>Engineering Computations</i> , 2017, 34, 499-547.	0.7	15
10	Differential evolution with the adaptive penalty method for structural multi-objective optimization. <i>Optimization and Engineering</i> , 2019, 20, 65-88.	1.3	15
11	Metaheuristic-based adaptive curriculum sequencing approaches: a systematic review and mapping of the literature. <i>Artificial Intelligence Review</i> , 2021, 54, 711-754.	9.7	14
12	Solving multi-objective structural optimization problems using GDE3 and NSGA-II with reference points. <i>Engineering Structures</i> , 2021, 239, 112187.	2.6	13
13	Cartesian Genetic Programming with Crossover for Designing Combinational Logic Circuits. , 2018, , .		12
14	Multiobjective grammar-based genetic programming applied to the study of asthma and allergy epidemiology. <i>BMC Bioinformatics</i> , 2018, 19, 245.	1.2	12
15	Grammar-based immune programming. <i>Natural Computing</i> , 2011, 10, 209-241.	1.8	11
16	Simulating Human Behavior in Fighting Games Using Reinforcement Learning and Artificial Neural Networks. , 2015, , .		11
17	A Critical Review of Adaptive Penalty Techniques in Evolutionary Computation. <i>Infosys Science Foundation Series</i> , 2015, , 1-27.	0.3	11
18	Variants of an adaptive penalty scheme for steady-state genetic algorithms in engineering optimization. <i>Engineering Computations</i> , 2015, 32, 2182-2215.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Reinforcement learning with optimized reward function for stealth applications. Entertainment Computing, 2018, 25, 37-47.	1.8	9
20	A comparative analysis of metaheuristics applied to adaptive curriculum sequencing. Soft Computing, 2021, 25, 11019-11034.	2.1	9
21	Using Performance Profiles for the Analysis and Design of Benchmark Experiments. Operations Research/ Computer Science Interfaces Series, 2013, , 21-36.	0.3	9
22	Development of an open-source web-based intervention for Brazilian smokers “ Viva sem Tabaco. BMC Medical Informatics and Decision Making, 2016, 16, 103.	1.5	8
23	Knowledge discovery in multiobjective optimization problems in engineering via Genetic Programming. Expert Systems With Applications, 2018, 99, 93-102.	4.4	8
24	An improved differential evolution algorithm for optimization including linear equality constraints. Memetic Computing, 2019, 11, 317-329.	2.7	8
25	An adaptive penalty scheme to solve constrained structural optimization problems by a Crazyness based Particle Swarm Optimization. Optimization and Engineering, 2017, 18, 693-722.	1.3	7
26	A benchmark suite for designing combinational logic circuits via metaheuristics. Applied Soft Computing Journal, 2020, 91, 106246.	4.1	7
27	A variable neighborhood descent with ant colony optimization to solve a bilevel problem with station location and vehicle routing. Applied Intelligence, 2022, 52, 7070-7090.	3.3	7
28	A massively parallel Grammatical Evolution technique with OpenCL. Journal of Parallel and Distributed Computing, 2017, 109, 333-349.	2.7	6
29	Grammar-Based Immune Programming for Symbolic Regression. Lecture Notes in Computer Science, 2009, , 274-287.	1.0	6
30	Biased Mutation and Tournament Selection Approaches for Designing Combinational Logic Circuits via Cartesian Genetic Programming. , 0, , .		6
31	Probabilistic performance profiles for the experimental evaluation of stochastic algorithms. , 2010, , .		5
32	Differential evolution with the Adaptive Penalty Method for constrained multiobjective optimization. , 2013, , .		5
33	A Novel Efficient Mutation for Evolutionary Design of Combinational Logic Circuits. Lecture Notes in Computer Science, 2016, , 665-674.	1.0	5
34	A new approach for generating numerical constants in grammatical evolution. , 2011, , .		4
35	Stealthy Path Planning Using Navigation Meshes. , 2015, , .		4
36	On Heuristics for Seeding the Initial Population of Cartesian Genetic Programming Applied to Combinational Logic Circuits. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
37	Evolving Controllers for Mario AI Using Grammar-based Genetic Programming. , 2018, , .		4
38	Differential Evolution with Adaptive Penalty and Tournament Selection for Optimization Including Linear Equality Constraints. , 2018, , .		4
39	Facebook recruitment of smokers: comparing gain- and loss-framed ads for the purposes of an Internet-based smoking cessation intervention. Cadernos De Saude Publica, 2019, 35, e00151318.	0.4	4
40	Indexing, enriching, and understanding Brazilian missing person cases from data of distributed repositories on the web. AI and Society, 2023, 38, 565-579.	3.1	4
41	On GA-AIS Hybrids for Constrained Optimization Problems in Engineering. Studies in Computational Intelligence, 2009, , 167-192.	0.7	3
42	Inferring Systems of Ordinary Differential Equations via Grammar-Based Immune Programming. Lecture Notes in Computer Science, 2011, , 198-211.	1.0	3
43	Optimization of combinational logic circuits through decomposition of truth table and evolution of sub-circuits. , 2014, , .		3
44	Differential evolution based spatial filter optimization for brain-computer interface. , 2019, , .		3
45	A 3-Step Cartesian Genetic Programming for Designing Combinational Logic Circuits with Multiplexers. Lecture Notes in Computer Science, 2019, , 762-774.	1.0	3
46	A Faster Clonal Selection Algorithm for Expensive Optimization Problems. Lecture Notes in Computer Science, 2010, , 130-143.	1.0	3
47	Evolving Numerical Constants in Grammatical Evolution with the Ephemeral Constant Method. Lecture Notes in Computer Science, 2011, , 110-124.	1.0	3
48	A Reinforcement Learning Based Adaptive Mutation for Cartesian Genetic Programming Applied to the Design of Combinational Logic Circuits. Lecture Notes in Computer Science, 2020, , 18-32.	1.0	3
49	A family of adaptive penalty schemes for steady-state genetic algorithms. , 2012, , .		2
50	Predicting the Performance of Job Applicants by Means of Genetic Programming. , 2013, , .		2
51	Using grammar-based genetic programming to determine characteristics of multiple infections and environmental factors in the development of allergies and asthma. , 2015, , .		2
52	Solving a Bilevel Problem with Station Location and Vehicle Routing Using Variable Neighborhood Descent and Ant Colony Optimization. Lecture Notes in Computer Science, 2021, , 211-223.	1.0	2
53	Predator-Prey Techniques for Solving Multiobjective Scheduling Problems for Unrelated Parallel Machines. Lecture Notes in Computer Science, 2017, , 484-498.	1.0	2
54	Solving Multi-Agent Pickup and Delivery Problems Using a Genetic Algorithm. Lecture Notes in Computer Science, 2020, , 140-153.	1.0	2

#	ARTICLE	IF	CITATIONS
55	Improving recruitment effectiveness using genetic programming techniques. , 2013, , .		1
56	Grammar-based immune programming to assist in the solution of functional equations. , 2015, , .		1
57	A differential evolution algorithm for bilevel problems including linear equality constraints. , 2016, , .		1
58	Game State Evaluation Heuristics in General Video Game Playing. , 2018, , .		1
59	AN ADAPTIVE CONSTRAINT HANDLING TECHNIQUE FOR PARTICLE SWARM IN CONSTRAINED OPTIMIZATION PROBLEMS. Revista CIATEC-UPF, 2016, 8, 39.	0.0	1
60	A parallel multi-GPU Clonal Selection Algorithm for optimization using OpenCL and OpenMP. , 2016, , .		0
61	On the Impact of the Objective Function on Imbalanced Data using Cartesian Genetic Programming Neuroevolutionary Approaches. , 2019, , .		0
62	Human Activity Recognition Using Parallel Cartesian Genetic Programming. , 2021, , .		0
63	Performance analysis of a particle swarm optimization algorithm to solve multiobjective optimization problems. , 0, , .		0
64	SimulaÃ§Ã£o do Penny Attack no Ethereum e sua IdentificaÃ§Ã£o usando Classificadores. , 0, , .		0
65	Differential Evolution for linear equality constraint satisfaction via unconstrained search in the null space. Evolutionary Intelligence, 0, , 1.	2.3	0
66	Internet-based intervention compared to brief intervention for smoking cessation in Brazil: a pilot study (Preprint). JMIR Formative Research, 0, , .	0.7	0