

Mario A Muñoz

List of Publications by Year in descending order

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36
papers

774
citations

758635

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676716

22
g-index

36
all docs

36
docs citations

36
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithm selection for black-box continuous optimization problems: A survey on methods and challenges. <i>Information Sciences</i> , 2015, 317, 224-245.	4.0	150
2	Exploratory Landscape Analysis of Continuous Space Optimization Problems Using Information Content. <i>IEEE Transactions on Evolutionary Computation</i> , 2015, 19, 74-87.	7.5	107
3	Instance spaces for machine learning classification. <i>Machine Learning</i> , 2018, 107, 109-147.	3.4	87
4	A comparison of optimisation methods and knee joint degrees of freedom on muscle force predictions during single-leg hop landings. <i>Journal of Biomechanics</i> , 2014, 47, 2863-2868.	0.9	47
5	Performance Analysis of Continuous Black-Box Optimization Algorithms via Footprints in Instance Space. <i>Evolutionary Computation</i> , 2017, 25, 529-554.	2.3	44
6	On normalization and algorithm selection for unsupervised outlier detection. <i>Data Mining and Knowledge Discovery</i> , 2020, 34, 309-354.	2.4	36
7	A Meta-learning Prediction Model of Algorithm Performance for Continuous Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2012, , 226-235.	1.0	36
8	Anomaly Detection in Streaming Nonstationary Temporal Data. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 13-27.	0.9	35
9	Generating New Space-Filling Test Instances for Continuous Black-Box Optimization. <i>Evolutionary Computation</i> , 2020, 28, 379-404.	2.3	27
10	The Algorithm Selection Problem on the Continuous Optimization Domain. <i>Studies in Computational Intelligence</i> , 2013, , 75-89.	0.7	19
11	Landscape characterization of numerical optimization problems using biased scattered data. , 2012, ,		17
12	Early Detection of Vegetation Ignition Due to Powerline Faults. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 1324-1334.	2.9	17
13	Toward dynamic evaluations of materials criticality: A systems framework applied to platinum. <i>Resources, Conservation and Recycling</i> , 2020, 152, 104532.	5.3	15
14	Revisiting where are the hard knapsack problems? via Instance Space Analysis. <i>Computers and Operations Research</i> , 2021, 128, 105184.	2.4	15
15	Simplifying the Bacteria Foraging Optimization Algorithm. , 2010, ,		14
16	An artificial beehive algorithm for continuous optimization. <i>International Journal of Intelligent Systems</i> , 2009, 24, 1080-1093.	3.3	12
17	On the selection of fitness landscape analysis metrics for continuous optimization problems. , 2014, ,		12
18	Enhanced instance space analysis for the maximum flow problem. <i>European Journal of Operational Research</i> , 2023, 304, 411-428.	3.5	11

#	ARTICLE	IF	CITATIONS
19	ICARUS: Identification of complementary algorithms by uncovered sets. , 2016, , .		9
20	An Instance Space Analysis of Regression Problems. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-25.	2.5	9
21	Effects of function translation and dimensionality reduction on landscape analysis. , 2015, , .		8
22	Toward a dynamic evaluation of mineral criticality: Introducing the framework of criticality systems. Journal of Industrial Ecology, 2019, 23, 1264-1277.	2.8	7
23	Bacteria Swarm Foraging Optimization for Dynamical Resource Allocation in a Multizone Temperature Experimentation Platform. , 2007, , 427-435.		6
24	Muscular Coordination of Single-Leg Hop Landing in Uninjured and Anterior Cruciate Ligament-Reconstructed Individuals. Journal of Applied Biomechanics, 2020, 36, 235-243.	0.3	6
25	Generating custom classification datasets by targeting the instance space. , 2017, , .		5
26	Analyzing randomness effects on the reliability of exploratory landscape analysis. Natural Computing, 2022, 21, 131-154.	1.8	5
27	Instance Space Analysis of Combinatorial Multi-objective Optimization Problems. , 2020, , .		4
28	Implementation of a Distributed Control Experimentation Platform. , 0, , .		3
29	Sampling Effects on Algorithm Selection for Continuous Black-Box Optimization. Algorithms, 2021, 14, 19.	1.2	3
30	On the diversity and robustness of parameterised multi-objective test suites. Applied Soft Computing Journal, 2021, 110, 107613.	4.1	3
31	Biomechanical Markers of Forward Hop-Landing After ACL-Reconstruction: A Pattern Recognition Approach. Annals of Biomedical Engineering, 2022, 50, 330-342.	1.3	2
32	Ant Colony Optimization for Dynamical Resource Allocation in a Multizone Temperature Experimentation Platform. , 2006, , .		1
33	Ant Colony Optimization for Dynamical Resource Allocation in a Multizone Temperature Experimentation Platform. IEEE Latin America Transactions, 2007, 5, 81-86.	1.2	1
34	Self-Adaptive Bacteria Swarm for Optimization. , 2008, , .		1
35	Non-parametric model of the space of continuous black-box optimization problems. , 2017, , .		0
36	Parameter estimation for a point-source diffusion-decay morphogen model. Journal of Mathematical Biology, 2020, 80, 2227-2255.	0.8	0