

Laura Garcia-Hernandez

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

946
citations

516710

16
h-index

454955

30
g-index

45
all docs

45
docs citations

45
times ranked

682
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiral water cycle algorithm for solving multi-objective optimization and truss optimization problems. <i>Engineering With Computers</i> , 2022, 38, 963-973.	6.1	19
2	A deep learning approach based hardware solution to categorise garbage in environment. <i>Complex & Intelligent Systems</i> , 2022, 8, 1129-1152.	6.5	18
3	Improved coral reefs optimization with adaptive η -hill climbing for feature selection. <i>Neural Computing and Applications</i> , 2021, 33, 6467-6486.	5.6	13
4	Hybridization of ring theory-based evolutionary algorithm and particle swarm optimization to solve class imbalance problem. <i>Complex & Intelligent Systems</i> , 2021, 7, 2069-2091.	6.5	10
5	An Enhanced Deep Convolutional Neural Network for Classifying Indian Classical Dance Forms. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6253.	2.5	20
6	A Multi-User Interactive Coral Reef Optimization Algorithm for Considering Expert Knowledge in the Unequal Area Facility Layout Problem. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6676.	2.5	1
7	A Novel Artificial Neural Network to Predict Compressive Strength of Recycled Aggregate Concrete. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11077.	2.5	13
8	A novel Island Model based on Coral Reefs Optimization algorithm for solving the unequal area facility layout problem. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 89, 103445.	8.1	25
9	Estimating cement compressive strength using three-dimensional microstructure images and deep belief network. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 88, 103378.	8.1	16
10	Fuzzy mutation embedded hybrids of gravitational search and Particle Swarm Optimization methods for engineering design problems. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 95, 103847.	8.1	17
11	A Hybrid Coral Reefs Optimizationâ€”Variable Neighborhood Search Approach for the Unequal Area Facility Layout Problem. <i>IEEE Access</i> , 2020, 8, 134042-134050.	4.2	12
12	Did They Sense it Coming? A Pipelined Approach for Tsunami Prediction Based on Aquatic Behavior Using Ensemble Clustering and Fuzzy Rule-Based Classification. <i>IEEE Access</i> , 2020, 8, 166922-166939.	4.2	3
13	Addressing Unequal Area Facility Layout Problems with the Coral Reef Optimization algorithm with Substrate Layers. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 93, 103697.	8.1	18
14	Predicting Depression Symptoms in an Arabic Psychological Forum. <i>IEEE Access</i> , 2020, 8, 57317-57334.	4.2	32
15	A CLSTM-TMN for marketing intention detection. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 91, 103595.	8.1	13
16	Using eye-tracking into decision makers evaluation in evolutionary interactive UA-FLP algorithms. <i>Neural Computing and Applications</i> , 2020, 32, 13747-13757.	5.6	3
17	Differential Evolution: A review of more than two decades of research. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 90, 103479.	8.1	338
18	A novel multi-objective Interactive Coral Reefs Optimization algorithm for the Unequal Area Facility Layout Problem. <i>Swarm and Evolutionary Computation</i> , 2020, 55, 100688.	8.1	14

#	ARTICLE	IF	CITATIONS
19	Applying the coral reefs optimization algorithm for solving unequal area facility layout problems. Expert Systems With Applications, 2019, 138, 112819.	7.6	38
20	New Approach to the Distribution of Project Completion Time in PERT Networks. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	3.8	5
21	An island model genetic algorithm for unequal area facility layout problems. Expert Systems With Applications, 2017, 68, 151-162.	7.6	77
22	Application of an Eye Tracker Over Facility Layout Problem to Minimize User Fatigue. Lecture Notes in Computer Science, 2017, , 145-156.	1.3	3
23	The role of interdisciplinary research team in the impact of health apps in health and computer science publications: a systematic review. BioMedical Engineering OnLine, 2016, 15, 77.	2.7	22
24	A novel hybrid evolutionary approach for capturing decision maker knowledge into the unequal area facility layout problem. Expert Systems With Applications, 2015, 42, 4697-4708.	7.6	41
25	Facility layout design using a multi-objective interactive genetic algorithm to support the DM. Expert Systems, 2015, 32, 94-107.	4.5	28
26	Impact of Health Apps in Health and Computer Science Publications. A Systematic Review from 2010 to 2014. Lecture Notes in Computer Science, 2015, , 24-34.	1.3	7
27	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. Neurocomputing, 2014, 135, 69-78.	5.9	13
28	PpcProject: An educational tool for software project management. Computers and Education, 2013, 69, 181-188.	8.3	12
29	Handling qualitative aspects in Unequal Area Facility Layout Problem: An Interactive Genetic Algorithm. Applied Soft Computing Journal, 2013, 13, 1718-1727.	7.2	58
30	Recycling Plants Layout Design by Means of an Interactive Genetic Algorithm. Intelligent Automation and Soft Computing, 2013, 19, 457-468.	2.1	18
31	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. Advances in Intelligent Systems and Computing, 2013, , 13-21.	0.6	1
32	Soft Computing Techniques Applied to a Case Study of Air Quality in Industrial Areas in the Czech Republic. Advances in Intelligent Systems and Computing, 2013, , 537-546.	0.6	2
33	Application of Soft Computing Technologies toward Assessment and Skills Development. Advances in Intelligent Systems and Computing, 2013, , 299-310.	0.6	0
34	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. Advances in Intelligent Systems and Computing, 2013, , 43-52.	0.6	0
35	Prediction of Dental Milling Time-Error by Flexible Neural Trees and Fuzzy Rules. Lecture Notes in Computer Science, 2012, , 842-849.	1.3	0
36	Effective Use of E-Learning for Improving Students's Skills. , 2012, , 292-314.		4

#	ARTICLE	IF	CITATIONS
37	Neural PCA and Maximum Likelihood Hebbian Learning on the GPU. Lecture Notes in Computer Science, 2012, , 132-139.	1.3	4
38	An evolutionary algorithm for the unequal area facility layout problem. , 2011, , .		3
39	An Interactive Genetic Algorithm for the Unequal Area Facility Layout Problem. Advances in Intelligent and Soft Computing, 2011, , 253-262.	0.2	7
40	An Interactive Genetic Algorithm with c-Means clustering for the Unequal Area Facility Layout Problem. , 2010, , .		3
41	Encoding Structures and Operators Used in Facility Layout Problems with Genetic Algorithms. , 2009, , .		5