Laura Garcia-Hernandez

List of Publications by Year
in descending order

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	Differential Evolution: A review of more than two decades of research. Engineering Applications of Artificial Intelligence, 2020, 90, 103479.	8.1	338
2	An island model genetic algorithm for unequal area facility layout problems. Expert Systems With Applications, 2017, 68, 151-162.	7.6	77
3	Handling qualitative aspects in Unequal Area Facility Layout Problem: An Interactive Genetic Algorithm. Applied Soft Computing Journal, 2013, 13, 1718-1727.	7.2	58
4	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
5	Applying the coral reefs optimization algorithm for solving unequal area facility layout problems. Expert Systems With Applications, 2019, 138, 112819.	7.6	38
6	Predicting Depression Symptoms in an Arabic Psychological Forum. IEEE Access, 2020, 8, 57317-57334.	4.2	32
7	Facility layout design using a multiâ€objective interactive genetic algorithm to support the DM. Expert Systems, 2015, 32, 94-107.	4.5	28
8	A novel Island Model based on Coral Reefs Optimization algorithm for solving the unequal area facility layout problem. Engineering Applications of Artificial Intelligence, 2020, 89, 103445.	8.1	25
9	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
10	An Enhanced Deep Convolutional Neural Network for Classifying Indian Classical Dance Forms. Applied Sciences (Switzerland), 2021, 11, 6253.	2.5	20
11	Spiral water cycle algorithm for solving multi-objective optimization and truss optimization problems. Engineering With Computers, 2022, 38, 963-973.	6.1	19
12	Recycling Plants Layout Design by Means of an Interactive Genetic Algorithm. Intelligent Automation and Soft Computing, 2013, 19, 457-468.	2.1	18
13	Addressing Unequal Area Facility Layout Problems with the Coral Reef Optimization algorithm with Substrate Layers. Engineering Applications of Artificial Intelligence, 2020, 93, 103697.	8.1	18
14	A deep learning approach based hardware solution to categorise garbage in environment. Complex & Intelligent Systems, 2022, 8, 1129-1152.	6.5	18
15	Fuzzy mutation embedded hybrids of gravitational search and Particle Swarm Optimization methods for engineering design problems. Engineering Applications of Artificial Intelligence, 2020, 95, 103847.	8.1	17
16	Estimating cement compressive strength using three-dimensional microstructure images and deep belief network. Engineering Applications of Artificial Intelligence, 2020, 88, 103378.	8.1	16
17	A novel multi-objective Interactive Coral Reefs Optimization algorithm for the Unequal Area Facility Layout Problem. Swarm and Evolutionary Computation, 2020, 55, 100688.	8.1	14
18	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. Neurocomputing, 2014, 135, 69-78.	5.9	13

#	Article	IF	Citations
19	A CLSTM-TMN for marketing intention detection. Engineering Applications of Artificial Intelligence, 2020, 91, 103595.	8.1	13
20	Improved coral reefs optimization with adaptive $$eta$$-hill climbing for feature selection. Neural Computing and Applications, 2021, 33, 6467-6486.	5.6	13
21	A Novel Artificial Neural Network to Predict Compressive Strength of Recycled Aggregate Concrete. Applied Sciences (Switzerland), 2021, 11, 11077.	2.5	13
22	PpcProject: An educational tool for software project management. Computers and Education, 2013, 69, 181-188.	8.3	12
23	A Hybrid Coral Reefs Optimization—Variable Neighborhood Search Approach for the Unequal Area Facility Layout Problem. IEEE Access, 2020, 8, 134042-134050.	4.2	12
24	Hybridization of ring theory-based evolutionary algorithm and particle swarm optimization to solve class imbalance problem. Complex & Intelligent Systems, 2021, 7, 2069-2091.	6.5	10
25	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
26	An Interactive Genetic Algorithm for the Unequal Area Facility Layout Problem. Advances in Intelligent and Soft Computing, 2011, , 253-262.	0.2	7
27	Encoding Structures and Operators Used in Facility Layout Problems with Genetic Algorithms. , 2009, , .		5
28	New Approach to the Distribution of Project Completion Time in PERT Networks. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	3.8	5
29	Effective Use of E-Learning for Improving Students' Skills. , 2012, , 292-314.		4
30	Neural PCA and Maximum Likelihood Hebbian Learning on the GPU. Lecture Notes in Computer Science, 2012, , 132-139.	1.3	4
31	An Interactive Genetic Algorithm with c-Means clustering for the Unequal Area Facility Layout Problem. , 2010, , .		3
32	An evolutionary algorithm for the unequal area facility layout problem. , 2011, , .		3
33	Did They Sense it Coming? A Pipelined Approach for Tsunami Prediction Based on Aquatic Behavior Using Ensemble Clustering and Fuzzy Rule-Based Classification. IEEE Access, 2020, 8, 166922-166939.	4.2	3
34	Using eye-tracking into decision makers evaluation in evolutionary interactive UA-FLP algorithms. Neural Computing and Applications, 2020, 32, 13747-13757.	5.6	3
35	Application of an Eye Tracker Over Facility Layout Problem to Minimize User Fatigue. Lecture Notes in Computer Science, 2017, , 145-156.	1.3	3
36	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

#	Article	IF	Citations
37	A Multi-User Interactive Coral Reef Optimization Algorithm for Considering Expert Knowledge in the Unequal Area Facility Layout Problem. Applied Sciences (Switzerland), 2021, 11, 6676.	2.5	1
38	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. Advances in Intelligent Systems and Computing, 2013, , 13-21.	0.6	1
39	Prediction of Dental Milling Time-Error by Flexible Neural Trees and Fuzzy Rules. Lecture Notes in Computer Science, 2012, , 842-849.	1.3	0
40	Application of Soft Computing Technologies toward Assessment and Skills Development. Advances in Intelligent Systems and Computing, 2013, , 299-310.	0.6	0
41	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. Advances in Intelligent Systems and Computing, 2013, , 43-52.	0.6	0