Guillermo Cabrera-Guerrero

List of Publications by Year
in descending order

27 papers	623 citations	759190 12 h-index	610883 24 g-index
27 all docs	27 docs citations	27 times ranked	513 citing authors

#	Article	IF	Citations
1	Local search algorithms for the composite retrieval problem. International Transactions in Operational Research, 2023, 30, 1065-1091.	2.7	0
2	Exploring spiral narratives with immediate feedback in immersive virtual reality serious games for earthquake emergency training. Multimedia Tools and Applications, 2023, 82, 125-147.	3.9	8
3	Bi-objective optimisation over a set of convex sub-problems. Annals of Operations Research, 2022, 319, 1507-1532.	4.1	6
4	Immersive virtual reality as an empirical research tool: exploring the capability of a machine learning model for predicting construction workers' safety behaviour. Virtual Reality, 2022, 26, 361-383.	6.1	14
5	Comparing Multi-Objective Local Search Algorithms for the Beam Angle Selection Problem. Mathematics, 2022, 10, 159.	2.2	2
6	A sequence analysis of behaviors in immersive virtual reality for indoor earthquake and post-earthquake evacuation. International Journal of Disaster Risk Reduction, 2022, 75, 102978.	3.9	6
7	Predicting Construction Workers' Intentions to Engage in Unsafe Behaviours Using Machine Learning Algorithms and Taxonomy of Personality. Buildings, 2022, 12, 841.	3.1	2
8	Instructional mechanisms in immersive virtual reality serious games: Earthquake emergency training for children. Journal of Computer Assisted Learning, 2021, 37, 542-556.	5.1	26
9	Stochastic Local Search for the Direct Aperture Optimisation Problem. Expert Systems With Applications, 2021, 182, 115206.	7.6	2
10	Exact Formulation and Analysis for the Bi-Objective Insular Traveling Salesman Problem. Mathematics, 2021, 9, 2641.	2.2	1
11	Towards a customizable immersive virtual reality serious game for earthquake emergency training. Advanced Engineering Informatics, 2020, 46, 101134.	8.0	45
12	An immersive virtual reality serious game to enhance earthquake behavioral responses and post-earthquake evacuation preparedness in buildings. Advanced Engineering Informatics, 2020, 45, 101118.	8.0	66
13	Local Search for the Direct Aperture Optimisation in IMRT. , 2020, , .		2
14	Stationary Wavelet-Fourier Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 540.	2.2	9
15	Stochastic Local Search Algorithms for the Direct Aperture Optimisation Problem in IMRT. Lecture Notes in Computer Science, 2019, , 108-123.	1.3	2
16	Combining Multi-Scale Wavelet Entropy and Kernelized Classification for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 152.	2.2	23
17	Pareto local search algorithms for the multi-objective beam angle optimisation problem. Journal of Heuristics, 2018, 24, 205-238.	1.4	22
18	A matheuristic approach to solve the multiobjective beam angle optimization problem in intensity-modulated radiation therapy. International Transactions in Operational Research, 2018, 25, 243-268.	2.7	30

#	ARTICLE	IF	CITATIONS
19	A Variable Neighbourhood Search Algorithm for the Beam Angle Selection Problem in Radiation Therapy. , 2018, , .		1
20	Optimization Algorithms Combining (Meta)heuristics and Mathematical Programming and Its Application in Engineering. Mathematical Problems in Engineering, 2018, 2018, 1-3.	1.1	18
21	Immersive virtual reality serious games for evacuation training and research: A systematic literature review. Computers and Education, 2018, 127, 252-266.	8.3	245
22	Local Search Algorithms for the Beam Angles' Selection Problem in Radiotherapy. Mathematical Problems in Engineering, 2018, 2018, 1-9.	1.1	9
23	Comparing Local Search Algorithms for the Beam Angles Selection in Radiotherapy. IEEE Access, 2018, 6, 23701-23710.	4.2	15
24	Parameter Tuning for Local-Search-Based Matheuristic Methods. Complexity, 2017, 2017, 1-15.	1.6	8
25	Stationary Wavelet Singular Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2017, 19, 541.	2.2	27
26	Multi-objective optimisation of positively homogeneous functions and an application in radiation therapy. Operations Research Letters, 2014, 42, 268-272.	0.7	16
27	A Hybrid Approach Using an Artificial Bee Algorithm with Mixed Integer Programming Applied to a Large-Scale Capacitated Facility Location Problem. Mathematical Problems in Engineering, 2012, 2012, 1-14.	1.1	18