Guillermo Cabrera-Guerrero

List of Publications by Year
in descending order

27 papers	623 citations	759055 12 h-index	610775 24 g-index
27 all docs	27 docs citations	27 times ranked	513 citing authors

#	Article	IF	Citations
1	Immersive virtual reality serious games for evacuation training and research: A systematic literature review. Computers and Education, 2018, 127, 252-266.	5.1	245
2	An immersive virtual reality serious game to enhance earthquake behavioral responses and post-earthquake evacuation preparedness in buildings. Advanced Engineering Informatics, 2020, 45, 101118.	4.0	66
3	Towards a customizable immersive virtual reality serious game for earthquake emergency training. Advanced Engineering Informatics, 2020, 46, 101134.	4.0	45
4	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.	1.8	30
5	Stationary Wavelet Singular Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2017, 19, 541.	1.1	27
6	Instructional mechanisms in immersive virtual reality serious games: Earthquake emergency training for children. Journal of Computer Assisted Learning, 2021, 37, 542-556.	3.3	26
7	Combining Multi-Scale Wavelet Entropy and Kernelized Classification for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 152.	1.1	23
8	Pareto local search algorithms for the multi-objective beam angle optimisation problem. Journal of Heuristics, 2018, 24, 205-238.	1.1	22
9	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.	0.6	18
10	Optimization Algorithms Combining (Meta)heuristics and Mathematical Programming and Its Application in Engineering. Mathematical Problems in Engineering, 2018, 2018, 1-3.	0.6	18
11	Multi-objective optimisation of positively homogeneous functions and an application in radiation therapy. Operations Research Letters, 2014, 42, 268-272.	0.5	16
12	Comparing Local Search Algorithms for the Beam Angles Selection in Radiotherapy. IEEE Access, 2018, 6, 23701-23710.	2.6	15
13	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.	4.1	14
14	Local Search Algorithms for the Beam Angles' Selection Problem in Radiotherapy. Mathematical Problems in Engineering, 2018, 2018, 1-9.	0.6	9
15	Stationary Wavelet-Fourier Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 540.	1.1	9
16	Parameter Tuning for Local-Search-Based Matheuristic Methods. Complexity, 2017, 2017, 1-15.	0.9	8
17	Exploring spiral narratives with immediate feedback in immersive virtual reality serious games for earthquake emergency training. Multimedia Tools and Applications, 2023, 82, 125-147.	2.6	8
18	Bi-objective optimisation over a set of convex sub-problems. Annals of Operations Research, 2022, 319, 1507-1532.	2.6	6

#	ARTICLE	IF	CITATIONS
19	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.	1.8	6
20	Stochastic Local Search Algorithms for the Direct Aperture Optimisation Problem in IMRT. Lecture Notes in Computer Science, 2019, , 108-123.	1.0	2
21	Stochastic Local Search for the Direct Aperture Optimisation Problem. Expert Systems With Applications, 2021, 182, 115206.	4.4	2
22	Local Search for the Direct Aperture Optimisation in IMRT. , 2020, , .		2
23	Comparing Multi-Objective Local Search Algorithms for the Beam Angle Selection Problem. Mathematics, 2022, 10, 159.	1.1	2
24	Predicting Construction Workers' Intentions to Engage in Unsafe Behaviours Using Machine Learning Algorithms and Taxonomy of Personality. Buildings, 2022, 12, 841.	1.4	2
25	A Variable Neighbourhood Search Algorithm for the Beam Angle Selection Problem in Radiation Therapy. , 2018, , .		1
26	Exact Formulation and Analysis for the Bi-Objective Insular Traveling Salesman Problem. Mathematics, 2021, 9, 2641.	1.1	1
27	Local search algorithms for the composite retrieval problem. International Transactions in Operational Research, 2023, 30, 1065-1091.	1.8	0