Lino Costa

List of Publications by Year in Descending Order

75 papers	600 citations	13 h-index	22 g-index
86 ext. papers	703 ext. citations	2.2 avg, IF	4.06 L-index

#	Paper	IF	Citations
75	A hybrid bi-objective optimization approach for joint determination of safety stock and safety time buffers in multi-item single-stage industrial supply chains. *Computers and Industrial Engineering*, **2022**, 168, 108095	6.4	1
74	Multi-objective Robustness Analysis of the Polymer Extrusion Process. *Space Technology Proceedings*, **2021**, 85-95		
73	Solving Multiobjective Engineering Design Problems Through a Scalarized Augmented Lagrangian Algorithm (SCAL). *Computational Methods in Applied Sciences (Springer)*, **2021**, 51-68	0.4	
72	Feature Selection Optimization for Breast Cancer Diagnosis. *Communications in Computer and Information Science*, **2021**, 492-506	0.3	
71	A Framework for Time-Cost-Quality Optimization in Project Management Problems Using an Exploratory Grid Concept in the Multi-Objective Simulated-Annealing. *International Journal of Information Technology and Decision Making*, **2021**, 20, 1095-1120	2.8	1
70	Many-objective optimization of build part orientation in additive manufacturing. *International Journal of Advanced Manufacturing Technology*, **2021**, 112, 747-762	3.2	8
69	A Multivariate Analysis Approach to Diamonds Pricing Using Dummy Variables in SPSS. *Lecture Notes in Computer Science*, **2021**, 609-623	0.9	
68	Feature Selection Optimization of Risk Factors for Coronary Heart Disease. *Lecture Notes in Computer Science*, **2021**, 413-428	0.9	
67	Multi-Objective Optimization of Plastics Thermoforming. *Mathematics*, **2021**, 9, 1760	2.3	0
66	Implementation of Robust Multi-objective Optimization in the Build Orientation Problem. *Lecture Notes in Computer Science*, **2021**, 247-259	0.9	
65	Multivariate Analysis to Assist Decision-Making in Many-objective Engineering Optimization Problems. *Lecture Notes in Computer Science*, **2020**, 274-288	0.9	1
64	Path Generation, Control, and Monitoring. *Advanced Structured Materials*, **2020**, 203-236	0.6	
63	Multiobjective optimization of transit bus fleets with alternative fuel options: The case of Joinville, Brazil. *International Journal of Sustainable Transportation*, **2020**, 14, 14-24	3.6	1
62	Application of the Simulated Annealing Algorithm to Minimize the makespan on the Unrelated Parallel Machine Scheduling Problem with Setup Times. *Advances in Intelligent Systems and Computing*, **2020**, 398-407	0.4	2
61	Improving Inventory Management in an Automotive Supply Chain: A Multi-objective Optimization Approach Using a Genetic Algorithm. *Springer Proceedings in Mathematics and Statistics*, **2019**, 143-157	0.2	
60	Development of a Strategy to Predict and Detect Falls Using Wearable Sensors. *Journal of Medical Systems*, **2019**, 43, 134	5.1	1
59	A Multi-objective Approach to the Optimization of Home Care Visits Scheduling **2019**,		3

58	A Multi-objective Approach to Solve the Build Orientation Problem in Additive Manufacturing. *Lecture Notes in Computer Science*, **2019**, 261-276	0.9	5
57	Bus Fleet Management Optimization Using the Augmented Weighted Tchebycheff Method. *Springer Proceedings in Mathematics and Statistics*, **2018**, 201-213	0.2	
56	A Scalarized Augmented Lagrangian Algorithm (SCAL) for Multi-objective Optimization Constrained Problems **2018**,		2
55	Coordination of User and Agency Costs Using Two-Level Approach for Pavement Management Optimization. *Transportation Research Record*, **2017**, 2639, 110-118	1.7	18
54	Green supply chain design: A mathematical modeling approach based on a multi-objective optimization model. *International Journal of Production Economics*, **2017**, 183, 421-432	9.3	65
53	Feature reduction and multi-classification of different assistive devices according to the gait pattern. *Disability and Rehabilitation: Assistive Technology*, **2016**, 11, 202-18	1.8	5
52	Skill Memory in Biped Locomotion. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2016**, 82, 379-397	2.9	2
51	Assessment of Different Genetic Algorithms for Pavement Management Systems **2016**,		4
50	Skill Memory in Biped Locomotion **2016**, 82, 379		1
49	Benchmarking deterministic optimization algorithms using an outranking approach. *Optimization Methods and Software*, **2016**, 31, 1149-1168	1.3	1
48	A prototype/demonstrator tool to perform the resources selection in distributed/agile/virtual enterprises. *International Journal of Business Excellence*, **2016**, 9, 364	0.7	2
47	Adapting Biped Locomotion to Sloped Environments. *Journal of Intelligent and Robotic Systems: Theory and Applications*, **2015**, 80, 625-640	2.9	8
46	MOEA/VAN **2015**,		3
45	Comparing AHP and ELECTRE I for prioritizing software requirements **2015**,		4
44	Feature reduction with PCA/KPCA for gait classification with different assistive devices. *International Journal of Intelligent Computing and Cybernetics*, **2015**, 8, 363-382	2.2	2
43	MOEA/PC: Multiobjective Evolutionary Algorithm Based on Polar Coordinates. *Lecture Notes in Computer Science*, **2015**, 141-155	0.9	3
42	Hybridization between multi-objective genetic algorithm and support vector machine for feature selection in walker-assisted gait. *Computer Methods and Programs in Biomedicine*, **2014**, 113, 736-48	6.9	13
41	Biped locomotion - Improvement and adaptation **2014**,		1

40	Using Cost-regularized Kernel Regression with a high number of samples **2014**,		1
39	Generalized Multiobjective Evolutionary Algorithm Guided by Descent Directions. *Mathematical Modelling and Algorithms*, **2014**, 13, 387-403		
38	Automatic generation of biped locomotion controllers using genetic programming. *Robotics and Autonomous Systems*, **2014**, 62, 1531-1548	3.5	13
37	Two Approaches for the Resolution of a Resources System Selection Problem for Distributed/Agile/Virtual Enterprises A Contribution to the Broker Performance. *Procedia Technology*, **2014**, 16, 906-912		1
36	Self-adaptive MOEA feature selection for classification of bankruptcy prediction data. *Scientific World Journal, The*, **2014**, 2014, 314728	2.2	10
35	Clustering-Based Selection for Evolutionary Many-Objective Optimization. *Lecture Notes in Computer Science*, **2014**, 538-547	0.9	16
34	Head Motion Stabilization During Quadruped Robot Locomotion **2014**, 41-65		
33	A New Hybrid Evolutionary Multiobjective Algorithm Guided by Descent Directions. *Mathematical Modelling and Algorithms*, **2013**, 12, 233-251		5
32	Back analysis of geomechanical parameters in underground works using an Evolution Strategy algorithm. *Tunnelling and Underground Space Technology*, **2013**, 33, 143-158	5.7	30
31	An adaptive constraint handling technique for evolutionary algorithms. *Optimization*, **2013**, 62, 241-253	1.2	10
30	Multi-objective parameter CPG optimization for gait generation of a biped robot **2013**,		11
29	Many-objective optimization using differential evolution with variable-wise mutation restriction **2013**,		21
28	Multivariate analysis of walker-assisted ambulation **2013**,		1
27	An alternative method for global and partial comparison of two diagnostic systems based on ROC curves. *Journal of Statistical Computation and Simulation*, **2013**, 83, 307-325	0.9	9
26	Self-improving biped locomotion **2013**,		1
25	Path integral learning of multidimensional movement trajectories **2013**,		2
24	On Challenging Techniques for Constrained Global Optimization. *Intelligent Systems Reference Library*, **2013**, 641-671	0.8	5
23	A hybrid genetic pattern search augmented Lagrangian method for constrained global optimization. *Applied Mathematics and Computation*, **2012**, 218, 9415-9426	2.7	23

22	Sensitivity analysis of multi-objective optimization of CPG parameters for quadruped robot locomotion **2012**,		1
21	Multiobjective Optimization of a Quadruped Robot Locomotion Using a Genetic Algorithm. *Advances in Intelligent and Soft Computing*, **2011**, 427-436		5
20	Quadruped Robot Locomotion using a Global Optimization Stochastic Algorithm **2011**,		1
19	Back analysis of geomechanical parameters by optimisation of a 3D model of an underground structure. *Tunnelling and Underground Space Technology*, **2011**, 26, 659-673	5.7	35
18	Multi-objective parameter CPG optimization for gait generation of a quadruped robot considering behavioral diversity **2011**,		8
17	Stochastic algorithms assessment using performance profiles **2011**,		3
16	Multimodal saliency-based attention for object-based scene analysis **2011**,		3
15	Using a Genetic Algorithm to Solve a Bi-Objective WWTP Process Optimization. *Operations Research Proceedings: Papers of the Annual Meeting = Vortrge Der Jahrestagung / DGOR*, **2011**, 359-364	0.1	3
14	Applying an Elitist Electromagnetism-Like Algorithm to Head Robot Stabilization. *Lecture Notes in Computer Science*, **2011**, 343-357	0.9	1
13	Biplots in offline multiobjective reduction **2010**,		2
12	An approach to improving software inspections performance **2010**,		10
11	Head motion stabilization during quadruped robot locomotion: Combining dynamical systems and a genetic algorithm **2009**,		14
10	Multiobjective optimization: Redundant and informative objectives **2009**,		2
9	Tuning Parameters of Evolutionary Algorithms Using ROC Analysis. *Advances in Soft Computing*, **2009**, 217-222		
8	Modeling and numerical study of actuator and sensor effects for a laminated piezoelectric plate. *Computers and Structures*, **2007**, 85, 385-403	4.5	9
7	Dimension reduction in multiobjective optimization. *Proceedings in Applied Mathematics and Mechanics*, **2007**, 7, 2060047-2060048	0.2	5
6	Actuator Effect of a Piezoelectric Anisotropic Plate Model. *Mechanics of Advanced Materials and Structures*, **2006**, 13, 403-417	1.8	2
5	Multiple- and single-objective approaches to laminate optimization with genetic algorithms. *Structural and Multidisciplinary Optimization*, **2004**, 27, 55-65	3.6	18

4	An adaptive sharing elitist evolution strategy for multiobjective optimization. *Evolutionary Computation*, **2003**, 11, 417-38	4.3	15
3	An Elitist Genetic Algorithm for Multiobjective Optimization. *Applied Optimization*, **2003**, 217-236		5
2	Evolutionary algorithms approach to the solution of mixed integer non-linear programming problems. *Computers and Chemical Engineering*, **2001**, 25, 257-266	4	134
1	An evolution strategy for multiobjective optimization		6