

Afonso Lemonge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2364899/publications.pdf>

Version: 2024-02-01

21
papers

389
citations

687363

13
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	A rank-based constraint handling technique for engineering design optimization problems solved by genetic algorithms. Computers and Structures, 2017, 187, 77-87.	4.4	54
2	An adaptive constraint handling technique for differential evolution with dynamic use of variants in engineering optimization. Optimization and Engineering, 2011, 12, 31-54.	2.4	47
3	A genetic algorithm encoding for cardinality constraints and automatic variable linking in structural optimization. Engineering Structures, 2008, 30, 3708-3723.	5.3	37
4	Truss optimization with multiple frequency constraints and automatic member grouping. Structural and Multidisciplinary Optimization, 2018, 57, 547-577.	3.5	34
5	Multi-objective truss structural optimization considering natural frequencies of vibration and global stability. Expert Systems With Applications, 2021, 165, 113777.	7.6	30
6	Uma comparaçŁo de tŁcnicas de aprendizado de mŁquina para a previsŁo de cargas energŁticas em edifŁcios. Ambiente ConstruŁdo, 2017, 17, 103-115.	0.4	24
7	Use of optimization for automatic grouping of beam cross-section dimensions in reinforced concrete building structures. Engineering Structures, 2015, 99, 311-318.	5.3	23
8	A similarity-based surrogate model for enhanced performance in genetic algorithms. Opsearch, 2009, 46, 89-107.	1.8	20
9	Evaluation of low fidelity and CFD methods for the aerodynamic performance of a small propeller. Aerospace Science and Technology, 2021, 108, 106402.	4.8	20
10	Multi-objective optimum design of truss structures using differential evolution algorithms. Computers and Structures, 2021, 252, 106544.	4.4	18
11	Differential evolution with the adaptive penalty method for structural multi-objective optimization. Optimization and Engineering, 2019, 20, 65-88.	2.4	15
12	Simultaneous sizing, shape, and layout optimization and automatic member grouping of dome structures. Structures, 2020, 28, 2188-2202.	3.6	15
13	Solving multi-objective structural optimization problems using GDE3 and NSGA-II with reference points. Engineering Structures, 2021, 239, 112187.	5.3	13
14	A dynamic migration policy to the Island Model. , 2017, , .		11
15	A New Strategy to Evaluate the Attractiveness in a Dynamic Island Model. , 2018, , .		9
16	An Island Model based on Stigmergy to solve optimization problems. Natural Computing, 2021, 20, 413-441.	3.0	8
17	An adaptive penalty scheme to solve constrained structural optimization problems by a Crazyness based Particle Swarm Optimization. Optimization and Engineering, 2017, 18, 693-722.	2.4	7
18	A surrogate assisted differential evolution to solve constrained optimization problems. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	An algorithm inspired by bee colonies coupled to an adaptive penalty method for truss structural optimization problems. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	1
20	Finite element stress analysis of cuneiform and cylindrical threaded implant geometries. Technology and Health Care, 2006, 14, 421-38.	1.2	1
21	OPTIMIZATION OF CROSS-SECTIONAL AREAS OF REINFORCED CONCRETE COLUMNS SUBJECTED TO AXIAL FORCE AND BIAxIAL BENDING VIA GENETIC ALGORITHMS. Revista Mundi Engenharia Tecnologia E Gest�o (ISSN 2525-4782), 2023, 5, .	0.0	0