JosÃ© A LÃ³pez-Campos

List of Publications by Year
in descending order

17	96	1684188 5	1474206 9
papers	citations	h-index	g-index

17	17	17	108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A genetic algorithm for the characterization of hyperelastic materials. Applied Mathematics and Computation, 2018, 329, 239-250.	2.2	32
2	Hyperelastic characterization oriented to finite element applications using genetic algorithms. Advances in Engineering Software, 2019, 133, 52-59.	3.8	12
3	Behavior characterization of visco-hyperelastic models for rubber-like materials using genetic algorithms. Applied Mathematical Modelling, 2019, 66, 241-255.	4.2	9
4	Finite Element Study of a Threaded Fastening: The Case of Surgical Screws in Bone. Symmetry, 2018, 10, 335.	2.2	8
5	Characterization of hyperelastic and damage behavior of tendons. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 213-223.	1.6	7
6	Behavior characterization of viscoelastic materials for the finite element method calculation applying Prony series. Computational and Mathematical Methods, 2019, 1, e1014.	0.8	5
7	Study of a Steelâ€™s Energy Absorption System for Heavy Quadricycles and Nonlinear Explicit Dynamic Analysis of its Behavior under Impact by FEM. Materials, 2015, 8, 6893-6908.	2.9	4
8	Finite Element Simulation for Analysing the Design and Testing of an Energy Absorption System. Materials, 2016, 9, 660.	2.9	4
9	Analysis of Damage Models for Cortical Bone. Applied Sciences (Switzerland), 2019, 9, 2710.	2.5	3
10	Optimization of the Auxiliary-Beam System in Railway Bridge Vibration Mitigation Using FEM Simulation and Genetic Algorithms. Symmetry, 2019, 11, 1089.	2.2	3
11	Finite Element Validation of an Energy Attenuator for the Design of a Formula Student Car. Mathematics, 2020, 8, 416.	2.2	3
12	Analysis of a Poro-Thermo-Viscoelastic Model of Type III. Symmetry, 2019, 11, 1214.	2.2	2
13	An study on the influence of collagen fiber directions in TAVs performance using FEM. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 126, 104969.	3.1	2
14	A dynamic viscoelastic problem: Experimental and numerical results of a finite vibrating plate. Cogent Mathematics, 2017, 4, 1282691.	0.4	1
15	Evaluation of an FE Model for the Design of a Complex Thin-Wall CFRP Structure for a Scientific Instrument. Materials, 2019, 12, 489.	2.9	1
16	CMMSE 2017 â€“ a numerical method based on genetic algorithms for the characterization of viscoelastic materials. International Journal of Computer Mathematics, 2020, 97, 294-311.	1.8	0
17	Quasistatic Porous-Thermoelastic Problems: An a Priori Error Analysis. Mathematics, 2021, 9, 1436.	2.2	0