

Alberto Carnicero LÃ³pez

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

560
citations

758635

12
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to fitting the three-parameter Weibull distribution: An application to glass ceramics. Communications in Statistics - Theory and Methods, 2021, 50, 3403-3420.	0.6	7
2	Real-time CO2 emissions estimation in Spain and application to the COVID-19 pandemic. Journal of Cleaner Production, 2021, 296, 126425.	4.6	4
3	Improvement of an additively manufactured subperiosteal implant structure design by finite elements based topological optimization. Scientific Reports, 2021, 11, 15390.	1.6	13
4	A Geometry-Based Welding Distortion Prediction Tool. Materials, 2021, 14, 4789.	1.3	3
5	Modification of the Mechanical Properties of Core-Shell Liquid Gallium Nanoparticles by Thermal Oxidation at Low Temperature. Particle and Particle Systems Characterization, 2021, 38, 2100141.	1.2	3
6	Elemental Crack Advance assessment and verification for its use in LBB analysis. Nuclear Engineering and Design, 2020, 363, 110622.	0.8	1
7	Civil structure condition assessment by a two-stage FE model update based on neural network enhanced power mode shapes and an adaptive roaming damage method. Engineering Structures, 2020, 207, 110234.	2.6	12
8	A moving mesh method to deal with cable structures subjected to moving loads and its application to the catenary-pantograph dynamic interaction. Journal of Sound and Vibration, 2015, 349, 216-229.	2.1	28
9	CANDY statement of methods. Vehicle System Dynamics, 2015, 53, 392-401.	2.2	14
10	The results of the pantograph-catenary interaction benchmark. Vehicle System Dynamics, 2015, 53, 412-435.	2.2	161
11	Elastic properties of natural single nanofibres. RSC Advances, 2014, 4, 11225.	1.7	10
12	Active control strategy on a catenary-pantograph validated model. Vehicle System Dynamics, 2013, 51, 554-569.	2.2	46
13	The Dependence on Mechanical Design in Railway Electrification: Focusing on the ac Perspective. IEEE Electrification Magazine, 2013, 1, 4-10.	1.8	2
14	Surface effects in atomistic mechanical simulations of Al nanocrystals. Physical Review B, 2009, 80, .	1.1	19
15	An approach based on the catenary equation to deal with static analysis of three dimensional cable structures. Engineering Structures, 2009, 31, 2162-2170.	2.6	65
16	The influence of cable slackening on the stiffness computation of railway overheads. International Journal of Mechanical Sciences, 2008, 50, 1213-1223.	3.6	17
17	Influence of stiffness and contact modelling on catenary-pantograph system dynamics. Journal of Sound and Vibration, 2007, 299, 806-821.	2.1	45
18	Computation of the initial equilibrium of railway overheads based on the catenary equation. Engineering Structures, 2006, 28, 1387-1394.	2.6	38

#	ARTICLE	IF	CITATIONS
19	Development of a current sensor based on active materials for high-voltage transmission systems. Smart Materials and Structures, 2006, 15, 563-570.	1.8	5
20	Numerical simulation of wear-mechanism maps. Computational Materials Science, 2002, 25, 54-60.	1.4	39
21	A fatigue damage model for seismic response of RC structures. Computers and Structures, 2000, 78, 293-302.	2.4	24
22	Simplified Model of Low Cycle Fatigue for RC Frames. Journal of Structural Engineering, 1999, 125, 1200-1202.	1.7	4