

Daniel A Castello

List of Publications by Year in descending order

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43
papers

425
citations

623734

14
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794594

19
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43
all docs

43
docs citations

43
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	A flexibility-based continuum damage identification approach. Journal of Sound and Vibration, 2005, 279, 641-667.	3.9	37
2	Comparisons of complex modulus provided by different DMA. Polymer Testing, 2018, 72, 394-406.	4.8	31
3	Constitutive parameter estimation of a viscoelastic model with internal variables. Mechanical Systems and Signal Processing, 2008, 22, 1840-1857.	8.0	27
4	Stochastic analysis of torsional drill-string vibrations considering the passage from a soft to a harder rock layer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2341-2349.	1.6	23
5	A structural defect identification approach based on a continuum damage model. Computers and Structures, 2002, 80, 417-436.	4.4	22
6	Viscoelastic behavior of polymeric foams: Experiments and modeling. Mechanics of Materials, 2020, 148, 103506.	3.2	21
7	On the optimal design and robustness of spatially distributed tuned mass dampers. Mechanical Systems and Signal Processing, 2021, 150, 107289.	8.0	21
8	A concept to reduce vibrations in steel catenary risers by the use of viscoelastic materials. Ocean Engineering, 2014, 77, 1-11.	4.3	20
9	Spectral model and experimental validation of hysteretic and aerodynamic damping in dynamic analysis of overhead transmission conductor. Mechanical Systems and Signal Processing, 2020, 136, 106483.	8.0	20
10	Uncertainty propagation analysis in laminated structures with viscoelastic core. Computers and Structures, 2016, 164, 23-37.	4.4	19
11	A novel stochastic process to model the variation of rock strength in bit-rock interaction for the analysis of drill-string vibration. Mechanical Systems and Signal Processing, 2020, 141, 106451.	8.0	19
12	Scattering of ultrasonic waves by heterogeneous interfaces: Formulating the direct scattering problem as a least-squares problem. Journal of the Acoustical Society of America, 2014, 135, 5-16.	1.1	17
13	Thermorheologically simple materials: A bayesian framework for model calibration and validation. Journal of Sound and Vibration, 2017, 402, 14-30.	3.9	15
14	On the wavelet analysis of cutting forces for chatter identification in milling. Advances in Manufacturing, 2017, 5, 130-142.	6.1	15
15	An experimental assessment of internal variables constitutive models for viscoelastic materials. Mechanical Systems and Signal Processing, 2015, 50-51, 27-40.	8.0	14
16	Detecting and classifying interfacial defects by inverse ultrasound scattering analysis. Wave Motion, 2016, 65, 119-129.	2.0	13
17	A validation metrics based model calibration applied on stranded cables. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2011, 33, 417-427.	1.6	9
18	Identifying the ultrasonic inspecting fields that most strongly interact with adhesive bonding defects. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	9

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19	Modeling errors due to Timoshenko approximation in damage identification. International Journal for Numerical Methods in Engineering, 2019, 120, 1148-1162.	2.8	9
20	A visco-hyperelastic model with Mullins effect for polyurethane elastomers combining a phenomenological approach with macromolecular information. Mechanics of Materials, 2021, 161, 104023.	3.2	7
21	On the stochastic bitâ€“rock interaction disturbances and its effects on the performance of two commercial control strategies used in drill strings. Mechanical Systems and Signal Processing, 2022, 164, 108229.	8.0	6
22	Damage identification in plates under uncertain boundary conditions. Mechanical Systems and Signal Processing, 2020, 144, 106884.	8.0	5
23	A general approach for viscoelastic model validation applied on the analyses of epoxy resin modified by end-functionalized liquid polybutadiene. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 993-1007.	1.6	4
24	Dynamics of a Duffing oscillator with the stiffness modeled as a stochastic process. International Journal of Non-Linear Mechanics, 2019, 116, 273-280.	2.6	4
25	On the calibration of drill-string models based on hysteresis cycles data. International Journal of Mechanical Sciences, 2020, 177, 105578.	6.7	4
26	Calibration of adhesion models based on Bayesian inference. Inverse Problems in Science and Engineering, 2016, 24, 785-810.	1.2	3
27	Residual stress relief of welded joints by mechanical vibrations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2449-2457.	1.6	3
28	Calibration of adhesion models based on the extended Kalman filtering. Journal of Adhesion, 2017, 93, 30-56.	3.0	3
29	On the model building for transmission line cables: a Bayesian approach. Inverse Problems in Science and Engineering, 2018, 26, 1784-1812.	1.2	3
30	A Bayesian framework for the calibration of cohesive zone models. Journal of Adhesion, 2018, 94, 255-277.	3.0	3
31	Passive Vibration Control Using Viscoelastic Materials. Mechanisms and Machine Science, 2019, , 119-168.	0.5	3
32	Identification of material properties using full-field and non contact measurements. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2009, 31, 167-172.	1.6	2
33	Vibration Reduction in Steel Catenary Risers by the Use of Viscoelastic Materials. , 2011, , .		2
34	Impact of Damping Models in Damage Identification. Shock and Vibration, 2019, 2019, 1-12.	0.6	2
35	Computational modeling of viscoplastic polymeric material response during micro-indentation tests. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	2
36	Damage identification under uncertain mass density distributions. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113672.	6.6	2

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37	Bayesian damage identification of simply supported beams from elastostatic data. Inverse Problems in Science and Engineering, 2021, 29, 2895-2922.	1.2	2
38	A Time Domain Technique for Defect Identification Based on a Continuous Damage Model. , 2002, , 325.		1
39	An Experimental Assessment of Transverse Adaptive Fir Filters as Applied to Vibrating Structures Identification. Shock and Vibration, 2005, 12, 197-216.	0.6	1
40	Dynamic mechanical characterization of epoxy-based thermosetting materials loaded with lignin. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	1
41	An analytical-numerical formulation to modelling wave propagation in double-cased oil wells. Wave Motion, 2022, , 102942.	2.0	1
42	The Mechanical Behavior of Viscoelastic Materials in the Frequency Domain. Lecture Notes in Mechanical Engineering, 2019, , 65-81.	0.4	0
43	Nonlocal viscoelastic Euler-Bernoulli beam model: a Bayesian approach for parameter estimation using the delayed rejection adaptive metropolis algorithm. Inverse Problems in Science and Engineering, 0, , 1-30.	1.2	0