

Daniel A Castello

List of Publications by Year in descending order

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43
papers

425
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623734

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794594

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all docs

43
docs citations

43
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	On the stochastic bit-rock interaction disturbances and its effects on the performance of two commercial control strategies used in drill strings. <i>Mechanical Systems and Signal Processing</i> , 2022, 164, 108229.	8.0	6
2	An analytical-numerical formulation to modelling wave propagation in double-cased oil wells. <i>Wave Motion</i> , 2022, , 102942.	2.0	1
3	On the optimal design and robustness of spatially distributed tuned mass dampers. <i>Mechanical Systems and Signal Processing</i> , 2021, 150, 107289.	8.0	21
4	Damage identification under uncertain mass density distributions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 376, 113672.	6.6	2
5	Bayesian damage identification of simply supported beams from elastostatic data. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 2895-2922.	1.2	2
6	A visco-hyperelastic model with Mullins effect for polyurethane elastomers combining a phenomenological approach with macromolecular information. <i>Mechanics of Materials</i> , 2021, 161, 104023.	3.2	7
7	A novel stochastic process to model the variation of rock strength in bit-rock interaction for the analysis of drill-string vibration. <i>Mechanical Systems and Signal Processing</i> , 2020, 141, 106451.	8.0	19
8	Spectral model and experimental validation of hysteretic and aerodynamic damping in dynamic analysis of overhead transmission conductor. <i>Mechanical Systems and Signal Processing</i> , 2020, 136, 106483.	8.0	20
9	Computational modeling of viscoplastic polymeric material response during micro-indentation tests. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	2
10	Viscoelastic behavior of polymeric foams: Experiments and modeling. <i>Mechanics of Materials</i> , 2020, 148, 103506.	3.2	21
11	On the calibration of drill-string models based on hysteresis cycles data. <i>International Journal of Mechanical Sciences</i> , 2020, 177, 105578.	6.7	4
12	Dynamic mechanical characterization of epoxy-based thermosetting materials loaded with lignin. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	1
13	Damage identification in plates under uncertain boundary conditions. <i>Mechanical Systems and Signal Processing</i> , 2020, 144, 106884.	8.0	5
14	Modeling errors due to Timoshenko approximation in damage identification. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 120, 1148-1162.	2.8	9
15	Dynamics of a Duffing oscillator with the stiffness modeled as a stochastic process. <i>International Journal of Non-Linear Mechanics</i> , 2019, 116, 273-280.	2.6	4
16	Impact of Damping Models in Damage Identification. <i>Shock and Vibration</i> , 2019, 2019, 1-12.	0.6	2
17	Passive Vibration Control Using Viscoelastic Materials. <i>Mechanisms and Machine Science</i> , 2019, , 119-168.	0.5	3
18	The Mechanical Behavior of Viscoelastic Materials in the Frequency Domain. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 65-81.	0.4	0

#	ARTICLE	IF	CITATIONS
19	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
20	On the model building for transmission line cables: a Bayesian approach. Inverse Problems in Science and Engineering, 2018, 26, 1784-1812.	1.2	3
21	A Bayesian framework for the calibration of cohesive zone models. Journal of Adhesion, 2018, 94, 255-277.	3.0	3
22	Comparisons of complex modulus provided by different DMA. Polymer Testing, 2018, 72, 394-406.	4.8	31
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	Calibration of adhesion models based on the extended Kalman filtering. Journal of Adhesion, 2017, 93, 30-56.	3.0	3
25	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
26	Thermorheologically simple materials: A bayesian framework for model calibration and validation. Journal of Sound and Vibration, 2017, 402, 14-30.	3.9	15
27	On the wavelet analysis of cutting forces for chatter identification in milling. Advances in Manufacturing, 2017, 5, 130-142.	6.1	15
28	Calibration of adhesion models based on Bayesian inference. Inverse Problems in Science and Engineering, 2016, 24, 785-810.	1.2	3
29	Detecting and classifying interfacial defects by inverse ultrasound scattering analysis. Wave Motion, 2016, 65, 119-129.	2.0	13
30	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
31	Uncertainty propagation analysis in laminated structures with viscoelastic core. Computers and Structures, 2016, 164, 23-37.	4.4	19
32	An experimental assessment of internal variables constitutive models for viscoelastic materials. Mechanical Systems and Signal Processing, 2015, 50-51, 27-40.	8.0	14
33	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
34	A concept to reduce vibrations in steel catenary risers by the use of viscoelastic materials. Ocean Engineering, 2014, 77, 1-11.	4.3	20
35	Vibration Reduction in Steel Catenary Risers by the Use of Viscoelastic Materials. , 2011, , .		2
36	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

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37	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
38	Constitutive parameter estimation of a viscoelastic model with internal variables. Mechanical Systems and Signal Processing, 2008, 22, 1840-1857.	8.0	27
39	A flexibility-based continuum damage identification approach. Journal of Sound and Vibration, 2005, 279, 641-667.	3.9	37
40	An Experimental Assessment of Transverse Adaptive Fir Filters as Applied to Vibrating Structures Identification. Shock and Vibration, 2005, 12, 197-216.	0.6	1
41	A Time Domain Technique for Defect Identification Based on a Continuous Damage Model. , 2002, , 325.		1
42	A structural defect identification approach based on a continuum damage model. Computers and Structures, 2002, 80, 417-436.	4.4	22
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