Sergio Cantero-Chinchilla

List of Publications by Year
in descending order

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15 papers	341 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	245 citing authors

#	Article	IF	Citations
1	A deep learning based methodology for artefact identification and suppression with application to ultrasonic images. NDT and E International, 2022, 126, 102575.	3.7	19
2	Robust optimised design of 3D printed elastic metastructures: A trade-off between complexity and vibration attenuation. Journal of Sound and Vibration, 2022, 529, 116896.	3.9	4
3	Deep learning in automated ultrasonic NDE â€“ Developments, axioms and opportunities. NDT and E International, 2022, 131, 102703.	3.7	43
4	OptiSensâ€”Convex optimization of sensor and actuator placement for ultrasonic guided-wave based structural health monitoring. SoftwareX, 2021, 13, 100643.	2.6	1
5	Structural Health Monitoring Using Ultrasonic Guided-Waves and the Degree of Health Index. Sensors, 2021, 21, 993.	3.8	19
6	Bayesian damage localization and identification based on a transient wave propagation model for composite beam structures. Composite Structures, 2021, 267, 113849.	5.8	19
7	Optimal sensor configuration for ultrasonic guided-wave inspection based on value of information. Mechanical Systems and Signal Processing, 2020, 135, 106377.	8.0	31
8	Bayesian inference for damage identification based on analytical probabilistic model of scattering coefficient estimators and ultrafast wave scattering simulation scheme. Journal of Sound and Vibration, 2020, 468, 115083.	3.9	38
9	Ultrasonic Guided Wave Testing on Cross-Ply Composite Laminate: An Empirical Study. Sensors, 2020, 20, 5291.	3.8	6
10	An Empirical Study on Transmission Beamforming for Ultrasonic Guided-Wave Based Structural Health Monitoring. Sensors, 2020, 20, 1445.	3.8	10
11	A fast Bayesian inference scheme for identification of local structural properties of layered composites based on wave and finite element-assisted metamodeling strategy and ultrasound measurements. Mechanical Systems and Signal Processing, 2020, 143, 106802.	8.0	21
12	Optimal sensor and actuator placement for structural health monitoring via an efficient convex cost-benefit optimization. Mechanical Systems and Signal Processing, 2020, 144, 106901.	8.0	30
13	Wave interaction with nonlinear damage and generation of harmonics in composite structures. Composite Structures, 2019, 230, 111495.	5.8	5
14	A robust Bayesian methodology for damage localization in plate-like structures using ultrasonic guided-waves. Mechanical Systems and Signal Processing, 2019, 122, 192-205.	8.0	64
15	A multilevel Bayesian method for ultrasound-based damage identification in composite laminates. Mechanical Systems and Signal Processing, 2017, 88, 462-477.	8.0	31