

Daniel Pereira

List of Publications by Year in descending order

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9
papers

113
citations

1307594
7
h-index

1588992
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9
all docs

9
docs citations

9
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of acoustic guided wave propagation in cortical bone using a semi-analytical finite element method. Journal of the Acoustical Society of America, 2017, 141, 2538-2547.	1.1	21
2	Deconvolution of ultrasonic signals using a convolutional neural network. Ultrasonics, 2021, 111, 106312.	3.9	21
3	Modeling and Design Optimization of an Eddy Current Sensor for Superficial and Subsuperficial Crack Detection in Inconel Claddings. IEEE Sensors Journal, 2015, 15, 1287-1292.	4.7	17
4	\$Ex-Vivo\$ Assessment of Cortical Bone Properties Using Low-Frequency Ultrasonic Guided Waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 910-922.	3.0	15
5	Effect of intracortical bone properties on the phase velocity and cut-off frequency of low-frequency guided wave modes (20â€“85â€“kHz). Journal of the Acoustical Society of America, 2019, 145, 121-130.	1.1	13
6	Predictive Model for Designing Soft-Tissue Mimicking Ultrasound Phantoms With Adjustable Elasticity. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 715-726.	3.0	13
7	Semi-analytical finite-element modeling approach for guided wave assessment of mechanical degradation in bones. International Biomechanics, 2017, 4, 17-27.	1.0	11
8	Simulation-Based Inversion for the Characterization of Adhesively Bonded Joints Using Ultrasonic Guided Waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 2400-2407.	3.0	2
9	Axial transmission assessment of trabecular bone at distal radius using guided waves. Proceedings of Meetings on Acoustics, 2015, , .	0.3	0