Mahindra Rautela

List of Publications by Year
in descending order

		1684188	1872680
9 papers	207 citations	5 h-index	6 g-index
9 all docs	9 docs citations	9 times ranked	118 citing authors

#	Article	IF	Citations
1	Ultrasonic guided wave based structural damage detection and localization using model assisted convolutional and recurrent neural networks. Expert Systems With Applications, 2021, 167, 114189.	7.6	88
2	Combined two-level damage identification strategy using ultrasonic guided waves and physical knowledge assisted machine learning. Ultrasonics, 2021, 115, 106451.	3.9	60
3	Delamination prediction in composite panels using unsupervised-feature learning methods with wavelet-enhanced guided wave representations. Composite Structures, 2022, 291, 115579.	5.8	18
4	Electromechanical admittance based integrated health monitoring of adhesive bonded beams using surface bonded piezoelectric transducers. International Journal of Adhesion and Adhesives, 2019, 94, 84-98.	2.9	16
5	Ultrasonic Guided Waves Based Identification of Elastic Properties Using 1D-Convolutional Neural Networks. , 2020, , .		10
6	Inverse characterization of composites using guided waves and convolutional neural networks with dual-branch feature fusion. Mechanics of Advanced Materials and Structures, 2022, 29, 6595-6611.	2.6	7
7	Temperature compensation for guided waves using convolutional denoising autoencoders. , 2021, , .		4
8	Deep Learning Based Identification of Elastic Properties Using Ultrasonic Guided Waves. Lecture Notes in Civil Engineering, 2021, , 77-90.	0.4	2
9	Delamination detection in aerospace composite panels using convolutional autoencoders. , 2021, , .		2