

Kumar Anubhav Tiwari

List of Publications by Year in descending order

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16
papers

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citations

1163117

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docs citations

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199
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Signal Processing Technique to Improve the Defect Estimation in Ultrasonic Non-Destructive Testing of Composite Structures. <i>Sensors</i> , 2017, 17, 2858.	3.8	60
2	Identification and Characterization of Defects in Glass Fiber Reinforced Plastic by Refining the Guided Lamb Waves. <i>Materials</i> , 2018, 11, 1173.	2.9	28
3	Signal processing methods to improve the Signal-to-noise ratio (SNR) in ultrasonic non-destructive testing of wind turbine blade. <i>Procedia Structural Integrity</i> , 2017, 5, 1184-1191.	0.8	27
4	Post-processing of ultrasonic signals for the analysis of defects in wind turbine blade using guided waves. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 546-555.	1.8	19
5	COMPARATIVE ANALYSIS OF NON-CONTACT ULTRASONIC METHODS FOR DEFECT ESTIMATION OF COMPOSITES IN REMOTE AREAS. <i>CBU International Conference Proceedings</i> , 0, 4, 846-851.	0.0	12
6	Diagnostics of Melanocytic Skin Tumours by a Combination of Ultrasonic, Dermatoscopic and Spectrophotometric Image Parameters. <i>Diagnostics</i> , 2020, 10, 632.	2.6	11
7	2D Analytical Model for the Directivity Prediction of Ultrasonic Contact Type Transducers in the Generation of Guided Waves. <i>Sensors</i> , 2018, 18, 987.	3.8	10
8	Defect Estimation in Non-Destructive Testing of Composites by Ultrasonic Guided Waves and Image Processing. <i>Electronics (Switzerland)</i> , 2019, 8, 315.	3.1	10
9	A Novel Defect Estimation Approach in Wind Turbine Blades Based on Phase Velocity Variation of Ultrasonic Guided Waves. <i>Sensors</i> , 2021, 21, 4879.	3.8	10
10	Development of a 2D analytical model for the prediction of directivity pattern of transducers in the generation of guided wave modes. <i>Procedia Structural Integrity</i> , 2017, 5, 973-980.	0.8	5
11	Refinement of defect detection in the contact and non-contact ultrasonic non-destructive testing of wind turbine blade using guided waves. <i>Procedia Structural Integrity</i> , 2018, 13, 1566-1570.	0.8	5
12	Investigation of the 3D displacement characteristics for a macro-fiber composite transducer (MFC-P1). <i>Materiali in Tehnologije</i> , 2018, 52, 235-239.	0.5	4
13	Analysis of Wave Patterns Under the Region of Macro-Fiber Composite Transducer to Improve the Analytical Modelling for Directivity Calculation in Isotropic Medium. <i>Sensors</i> , 2020, 20, 2280.	3.8	2
14	Efficient FPGA-based FIR architecture and its significance in ultrasonic signal processing. <i>Journal of Vibroengineering</i> , 2017, 19, 6423-6432.	1.0	1
15	Optimization of microbubble side-scattering signal analysis for efficient cavitation dosimetry. <i>Biomedical Signal Processing and Control</i> , 2021, 63, 102235.	5.7	0
16	FPGA BASED ENCRYPTION DESIGN USING VHDL. <i>International Journal of Research in Engineering and Technology</i> , 2014, 03, 148-151.	0.1	0