

Hossein Taheri

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

510
citations

687363

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h-index

677142

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all docs

28
docs citations

28
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Surface Topography Features for the Effect of Process Parameters and Their Correlation to Quality Monitoring in Metal Additive Manufacturing. <i>Metrology</i> , 2022, 2, 73-83.	1.5	1
2	Assessment and detection of stress corrosion cracking by advanced eddy current array nondestructive testing and material characterization. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 102, 104568.	4.4	5
3	Assessment of material property variations with resonant ultrasound spectroscopy (RUS) when using additive manufacturing to print over existing parts. <i>Journal of Advanced Joining Processes</i> , 2022, 5, 100117.	2.7	1
4	Artificial Intelligence, Machine Learning and Smart Technologies for Nondestructive Evaluation. <i>Sensors</i> , 2022, 22, 4055.	3.8	19
5	Material characterisation of additive manufacturing titanium alloy (Titanium 6Al-4V) for quality control and properties evaluations. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 4678-4697.	1.4	1
6	Failures and Flaws in Fused Deposition Modeling (FDM) Additively Manufactured Polymers and Composites. <i>Journal of Composites Science</i> , 2022, 6, 202.	3.0	29
7	In-situ process monitoring for metal additive manufacturing through acoustic techniques using wavelet and convolutional neural network (CNN). <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 3473-3488.	3.0	23
8	In Situ Process Monitoring for Additive Manufacturing Through Acoustic Techniques. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 6249-6262.	2.5	43
9	Ultrasonic Nondestructive Testing for In-Line Monitoring of Wire-Arc Additive Manufacturing (WAAM). , 2020, , .		4
10	Ultrasonic Phased Array Technique for Defect Detection and Sizing in Heavy-Walled Cast Components. , 2020, , .		3
11	Neural network for structural health monitoring with combined direct and indirect methods. <i>Journal of Applied Remote Sensing</i> , 2020, 14, 1.	1.3	7
12	Acoustic monitoring of additive manufacturing for damage and process condition determination. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	19
13	Intelligent Fault Diagnosis of Bearings Based on Energy Levels in Frequency Bands Using Wavelet and Support Vector Machines (SVM). <i>Journal of Manufacturing and Materials Processing</i> , 2019, 3, 11.	2.2	17
14	Detection of pores in additive manufactured parts by near field response of laser-induced ultrasound. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	5
15	Investigation of Nondestructive Testing Methods for Friction Stir Welding. <i>Metals</i> , 2019, 9, 624.	2.3	28
16	Nondestructive Ultrasonic Inspection of Composite Materials: A Comparative Advantage of Phased Array Ultrasonic. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1628.	2.5	76
17	In Situ Additive Manufacturing Process Monitoring With an Acoustic Technique: Clustering Performance Evaluation Using K-Means Algorithm. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019, 141, .	2.2	68
18	NDE in-process for metal parts fabricated using powder based additive manufacturing. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	Onset of Nucleate Boiling Detection in a Boiler Tube by Wavelet Transformation of Vibration Signals. Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems, 2018, 1, .	0.9	1
20	In-situ acoustic signature monitoring in additive manufacturing processes. AIP Conference Proceedings, 2018, , .	0.4	29
21	Finite element simulation and experimental verification of ultrasonic non-destructive inspection of defects in additively manufactured materials. AIP Conference Proceedings, 2018, , .	0.4	10
22	Powder-based additive manufacturing - a review of types of defects, generation mechanisms, detection, property evaluation and metrology. International Journal of Additive and Subtractive Materials Manufacturing, 2017, 1, 172.	0.2	20
23	Additive manufacturing metrology: State of the art and needs assessment. AIP Conference Proceedings, 2016, , .	0.4	25
24	Non-destructive investigation of thermoplastic reinforced composites. Composites Part B: Engineering, 2016, 97, 244-254.	12.0	50
25	Phased Array Ultrasonic Technique Parametric Evaluation for Composite Materials. , 2014, , .		3
26	Identification of Appropriate Wavelet for Vibration Study of Mechanical Impacts. , 2013, , .		2
27	Acoustic Emission and Ultrasound Phased Array Technique for Composite Material Evaluation. , 2013, , .		8