

Imad Hanhan

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

129
citations

1162889

8
h-index

1372474

10
g-index

13
all docs

13
docs citations

13
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing non-destructive 3D X-ray computed tomography with destructive optical microscopy for microstructural characterization of fiber reinforced composites. Composites Science and Technology, 2019, 184, 107843.	3.8	23
2	Portable Piezospectroscopy system: non-contact in-situ stress sensing through high resolution photo-luminescent mapping. Journal of Instrumentation, 2014, 9, P11005-P11005.	0.5	20
3	Predicting Microstructural Void Nucleation in Discontinuous Fiber Composites through Coupled in-situ X-ray Tomography Experiments and Simulations. Scientific Reports, 2020, 10, 3564.	1.6	17
4	Detecting damage initiation in short fiber composites via in-situ X-ray tomography and digital volume correlation. Composites Communications, 2020, 22, 100524.	3.3	13
5	ModLayer: A MATLAB GUI Drawing Segmentation Tool for Visualizing and Classifying 3D Data. Integrating Materials and Manufacturing Innovation, 2019, 8, 468-475.	1.2	12
6	Damage propagation in short fiber thermoplastic composites analyzed through coupled 3D experiments and simulations. Composites Part B: Engineering, 2021, 218, 108931.	5.9	11
7	Slow crack growth in laminate composites via in-situ X-ray tomography and simulations. International Journal of Fatigue, 2022, 155, 106612.	2.8	9
8	Quantifying Alumina Nanoparticle Dispersion in Hybrid Carbon Fiber Composites Using Photoluminescent Spectroscopy. Applied Spectroscopy, 2017, 71, 258-266.	1.2	8
9	Observing progressive damage in carbon fiber epoxy laminate composites via 3D in-situ X-ray tomography. Engineering Fracture Mechanics, 2021, 246, 107626.	2.0	8
10	3D Fiber Segmentation with Deep Center Regression and Geometric Clustering. , 2021, , .		5
11	Design of Low Cost Carbon Fiber Composites via Examining the Micromechanical Stress Distributions in A42 Bean-Shaped versus T650 Circular Fibers. Journal of Composites Science, 2021, 5, 294.	1.4	2
12	Characterizing Mechanical Properties of Hybrid Alumina Carbon Fiber Composites with Piezospectroscopy. , 2016, , .		1
13	A data-driven microstructural rationale for micro-void nucleation in discontinuous fiber composites. Journal of Thermoplastic Composite Materials, 0, , 089270572110687.	2.6	0