

Juhyeong Lee

List of Publications by Year in descending order

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158
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#	ARTICLE	IF	CITATIONS
1	In-plane compression response of woven CFRP composite after low-velocity impact: Modelling and experiment. <i>Thin-Walled Structures</i> , 2021, 158, 107186.	5.3	48
2	Artificial lightning strike tests on PRSEUS panels. <i>Composites Part B: Engineering</i> , 2018, 154, 467-477.	12.0	27
3	Quasi-Isotropic and Pseudo-Ductile Highly Aligned Discontinuous Fibre Composites Manufactured with the HiPerDiF (High Performance Discontinuous Fibre) Technology. <i>Materials</i> , 2019, 12, 1794.	2.9	27
4	Coupled thermal electrical and mechanical lightning damage predictions to carbon/epoxy composites during arc channel shape expansion. <i>Composite Structures</i> , 2021, 255, 112912.	5.8	26
5	Thermal response of carbon fiber epoxy laminates with metallic and nonmetallic protection layers to simulated lightning currents. <i>Polymer Composites</i> , 2018, 39, E2149.	4.6	20
6	Numerical estimations of lightning-induced mechanical damage in carbon/epoxy composites using shock wave overpressure and equivalent air blast overpressure. <i>Composite Structures</i> , 2019, 224, 111039.	5.8	18
7	Artificial Neural Network (ANN)-Based Residual Strength Prediction of Carbon Fibre Reinforced Composites (CFRCs) After Impact. <i>Applied Composite Materials</i> , 2021, 28, 809-833.	2.5	17
8	Stochastic lightning damage prediction of carbon/epoxy composites with material uncertainties. <i>Composite Structures</i> , 2022, 282, 115014.	5.8	15
9	Characterization, prediction, and optimization of flexural properties of vapor-grown carbon nanofiber/vinyl ester nanocomposites by response surface modeling. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2087-2099.	2.6	13
10	Impact of corrugations on bifurcation and thermoelastic responses of hat-stiffened panels. <i>Thin-Walled Structures</i> , 2019, 140, 209-221.	5.3	13
11	Lightning mechanical damage prediction in carbon/epoxy laminates using equivalent air blast overpressure. <i>Composites Part B: Engineering</i> , 2021, 212, 108649.	12.0	13
12	Lightning arc channel effects on surface damage development on a PRSEUS composite panel: An experimental study. <i>Composites Part B: Engineering</i> , 2021, 224, 109217.	12.0	13
13	Temperature-dependent thermal decomposition of carbon/epoxy laminates subjected to simulated lightning currents. <i>Polymer Composites</i> , 2018, 39, E2185.	4.6	12
14	Thermal barrier coating for carbon fiber-reinforced composite materials. <i>Composites Part B: Engineering</i> , 2021, 225, 109308.	12.0	11
15	Thermal spreading analysis of a transversely isotropic heat spreader. <i>International Journal of Thermal Sciences</i> , 2017, 118, 461-474.	4.9	9
16	Comparison of lightning protection performance of carbon/epoxy laminates with a non-metallic outer layer. <i>Journal of Reinforced Plastics and Composites</i> , 2019, 38, 301-313.	3.1	9
17	Shock wave propagation in long laboratory sparks under negative switching impulses. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 015205.	2.8	6
18	Schlieren techniques for observations of long positive sparks: Review and application. <i>High Voltage</i> , 2022, 7, 825-839.	4.7	4

#	ARTICLE	IF	CITATIONS
19	Development of an experimental setup to study carbon/epoxy composite subjected to simulated lightning current. , 2017, , .		2
20	A New Method to Evalute Length Ratio of Positive and Negative Leaders in Breakdown Process of Composite Insulator String. , 2020, , .		0
21	Experimental Study on Flashover Performance of Hot Sticks under Switching Impulses. , 2020, , .		0