

Roudy Wehbe

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

197
citations

1307594

7
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated fiber placement: A review of history, current technologies, and future paths forward. Composites Part C: Open Access, 2021, 6, 100182.	3.2	46
2	Automated Fiber Placement Path Planning: A state-of-the-art review. Computer-Aided Design and Applications, 2018, 16, 172-203.	0.6	38
3	Experimental investigation of prepreg slit tape wrinkling during automated fiber placement process using StereoDIC. Composites Part B: Engineering, 2019, 160, 546-557.	12.0	37
4	Geometrical modeling of tow wrinkles in automated fiber placement. Composite Structures, 2020, 246, 112394.	5.8	25
5	Measured Surface Deformation and Strains in Thin Thermoplastic Prepreg Tapes Steered along Curved Paths without Adhesion Using StereoDIC. Experimental Mechanics, 2019, 59, 531-547.	2.0	13
6	Characterization of Mode I and Mode II traction-separation laws for cohesive separation of uncured thermoset tows. International Journal of Fracture, 2020, 221, 25-38.	2.2	9
7	On the effect of manual rework in AFP quality control for a doubly-curved part. Composites Part B: Engineering, 2021, 227, 109432.	12.0	8
8	An experimental investigation concerning the effect of AFP defects on progressive damage in CFRP coupons. Composite Structures, 2022, 279, 114725.	5.8	7
9	Influence of process parameters in AFP fiber steering on cylinders: Constant curvature paths. Composites Part C: Open Access, 2020, 2, 100036.	3.2	5
10	Characterization of viscoelastic bending stiffness of uncured carbon-epoxy prepreg slit tape. Composite Structures, 2021, 275, 114295.	5.8	5
11	Characterization of steered fiber laminates: Perspectives and a survey of the state of the art on principal considerations. Composites Part C: Open Access, 2021, 4, 100118.	3.2	2
12	Off-Part Motion Optimization for an Automated Fiber Placement Machine using Travelling Salesman Problem. Computer-Aided Design and Applications, 2021, 19, 220-237.	0.6	1
13	Fiber Tow Deformations During Layup of Steered Paths Using Automated Fiber Placement Process. , 2019, , .		1
14	Quantifying Wrinkling During Tow Placement on Curvilinear Paths. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 9-12.	0.5	0