Rene Roy

List of Publications by Year
in descending order

15 papers	359 citations	1163117 8 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	305 citing authors

#	Article	IF	Citations
1	Multiphysics anti-icing simulation of a CFRP composite wing structure embedded with thin etched-foil electrothermal heating films in glaze ice conditions. Composite Structures, 2021, 276, 114441.	5.8	17
2	Strength and failure modes of surface treated CFRP secondary bonded single-lap joints in static and fatigue tensile loading regimes. Composites Part A: Applied Science and Manufacturing, 2020, 134, 105897.	7.6	35
3	Tensile strength of multi-angle composite laminate scarf joints with FEM. IOP Conference Series: Materials Science and Engineering, 2020, 784, 012007.	0.6	2
4	Cohesive zone method for failure analysis of scarf patch-repaired composite laminates under bending load. Composite Structures, 2019, 222, 110895.	5.8	31
5	Numerical Modeling of Combined Matrix Cracking and Delamination in Composite Laminates Using Cohesive Elements. Applied Composite Materials, 2016, 23, 397-419.	2.5	27
6	Meso-scale finite element modeling of Nomex^{TM}honeycomb cores. Advanced Composite Materials, 2014, 23, 17-29.	1.9	16
7	Testing and modeling of Nomexâ„¢ honeycomb sandwich Panels with bolt insert. Composites Part B: Engineering, 2014, 56, 762-769.	12.0	67
8	Characterization of Nomex honeycomb core constituent material mechanical properties. Composite Structures, 2014, 117, 255-266.	5.8	120
9	AFP mandrel development for composite aircraft fuselage skin. International Journal of Aeronautical and Space Sciences, 2014, 15, 32-43.	2.0	3
10	Experimental Testing of Curved Aluminum Honeycomb/CFRP Sandwich Panels. Composites Research, 2013, 26, 85-90.	0.1	0
11	Finite Element Modeling of NomexÂ® Honeycomb Core Carbon/Epoxy Composite Sandwich Panels. Advanced Science Letters, 2012, 15, 257-261.	0.2	0
12	Environmental effects on glass fiber reinforced polypropylene thermoplastic composite laminate for structural applications. Polymer Composites, 2010, 31, 604-611.	4.6	29
13	Intermittent Predictive Steering Control as an Automobile Driver Model. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	1.6	6
14	Laboratory and field performance of FOS sensors in static and dynamic strain monitoring in concrete bridge decks. , 2006, , .		4
15	Computational Simulation of an Electrically Heated Ice Protection System for Composite Leading Edges of Aircraft. , 0, , .		2