

Carwyn Ward

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9560509/publications.pdf>

Version: 2024-02-01

26
papers

885
citations

1163117

8
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	The engineering aspects of automated prepreg layup: History, present and future. Composites Part B: Engineering, 2012, 43, 997-1009.	12.0	476
2	Modern advances in bismaleimide resin technology: A 21st century perspective on the chemistry of addition polyimides. Progress in Polymer Science, 2017, 69, 1-21.	24.7	203
3	The increasing importance of leading edge erosion and a review of existing protection solutions. Renewable and Sustainable Energy Reviews, 2019, 115, 109382.	16.4	89
4	Effect of tufting density and loop length on the crushing behaviour of tufted sandwich specimens. Composites Part B: Engineering, 2017, 112, 49-56.	12.0	19
5	Digitisation of manual composite layup task knowledge using gaming technology. Composites Part B: Engineering, 2017, 112, 314-326.	12.0	13
6	Development of the manufacture of complex composite panels. International Journal of Materials and Product Technology, 2011, 42, 131.	0.2	12
7	Thermoformability characterisation of Flax reinforced polypropylene composite materials. Composites Part B: Engineering, 2020, 184, 107727.	12.0	12
8	Intelligent Composite Layup by the Application of Low Cost Tracking and Projection Technologies. Procedia CIRP, 2014, 25, 122-131.	1.9	11
9	Assessment of a Wind Turbine Blade Erosion Lifetime Prediction Model with Industrial Protection Materials and Testing Methods. Coatings, 2021, 11, 767.	2.6	10
10	Characterisation of the offshore precipitation environment to help combat leading edge erosion of wind turbine blades. Wind Energy Science, 2020, 5, 1399-1409.	3.3	8
11	A Status of Acceptance Criteria and Process Requirements in Advanced Composites Manufacturing, and Whether They are Fit for Purpose. , 2013, , .		5
12	Stabilizing textile preforms by means of liquid resin print: a feasibility study. Advanced Manufacturing: Polymer and Composites Science, 2015, 1, 26-35.	0.4	5
13	Examining the influence of carboxylic anhydride structures on the reaction kinetics and processing characteristics of an epoxy resin for wind turbine applications. Reactive and Functional Polymers, 2019, 144, 104353.	4.1	5
14	Exploring the Manual Forming of Complex Geometry Composite Panels for Productivity and Quality Gains in Relation to Automated Forming Capabilities. , 0, , .		4
15	Studying effects of preshearing on hand layup. Advanced Manufacturing: Polymer and Composites Science, 2015, 1, 80-93.	0.4	3
16	The Dibber: Designing a standardised handheld tool for lay-up tasks. Applied Ergonomics, 2017, 65, 240-254.	3.1	2
17	Developing a high-fidelity knowledge base for improvements in the non-destructive testing of advanced composite material products. Procedia Manufacturing, 2020, 51, 345-352.	1.9	2
18	Understanding System Complexity in the Non-Destructive Testing of Advanced Composite Products. Journal of Manufacturing and Materials Processing, 2022, 6, 71.	2.2	2

#	ARTICLE	IF	CITATIONS
19	A Comparison of FDM Structural Layouts and Implementation of an Open-Source Arm-Based System. MATEC Web of Conferences, 2018, 167, 03002.	0.2	1
20	Real time defect detection during composite layup via Tactile Shape Sensing. Science and Engineering of Composite Materials, 2021, 28, 1-10.	1.4	1
21	The Manufacture of Advanced Composite Parts to Rigid Industrial Specifications - Can it be Made?. , 0, , .		0
22	Systems thinking for rapid decision making in industrial contexts. , 2014, , .		0
23	An Enhanced Risk Reduction Methodology for Complex Problem Resolution in High Value, Low Volume Manufacturing Scenarios. SAE International Journal of Materials and Manufacturing, 2015, 9, 49-64.	0.3	0
24	Cure Rate Tailoring of Thick Composites Via Temperature Controlled Vascular Pathways. , 2016, , .		0
25	A Study into Composite Laminatorsâ€™ Motivation. Lecture Notes in Mechanical Engineering, 2013, , 971-984.	0.4	0
26	Tooling and Infusion Design Strategies to Reduce Trade-Offs in Forming and Infusion Quality of Multi-Textile CFRPs. Journal of Manufacturing and Materials Processing, 2022, 6, 62.	2.2	0