

Jose Manuel Guerrero

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A 3D Progressive Failure Model for predicting pseudo-ductility in hybrid unidirectional composite materials under fibre tensile loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 579-591.	7.6	38
2	Detailed experimental validation and benchmarking of six models for longitudinal tensile failure of unidirectional composites. <i>Composite Structures</i> , 2022, 279, 114828.	5.8	27
3	Effective simulation of the mechanics of longitudinal tensile failure of unidirectional polymer composites. <i>International Journal of Fracture</i> , 2017, 208, 269-285.	2.2	26
4	A dynamic spring element model for the prediction of longitudinal failure of polymer composites. <i>Computational Materials Science</i> , 2019, 160, 42-52.	3.0	19
5	Blind benchmarking of seven longitudinal tensile failure models for two virtual unidirectional composites. <i>Composites Science and Technology</i> , 2021, 202, 108555.	7.8	14
6	Numerical study to understand thermo-mechanical effects on a composite-aluminium hybrid bolted joint. <i>Composite Structures</i> , 2021, 275, 114396.	5.8	11
7	Failure of hybrid composites under longitudinal tension: Influence of dynamic effects and thermal residual stresses. <i>Composite Structures</i> , 2020, 233, 111732.	5.8	9
8	Effects of local stress fields around broken fibres on the longitudinal failure of composite materials. <i>International Journal of Solids and Structures</i> , 2019, 156-157, 294-305.	2.7	8
9	An analytical model to predict stress fields around broken fibres and their effect on the longitudinal failure of hybrid composites. <i>Composite Structures</i> , 2019, 211, 564-576.	5.8	7
10	A synchrotron computed tomography dataset for validation of longitudinal tensile failure models based on fibre break and cluster development. <i>Data in Brief</i> , 2021, 39, 107590.	1.0	5
11	Size effects in hybrid unidirectional polymer composites under longitudinal tension: A micromechanical investigation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 140, 106186.	7.6	4
12	A computationally efficient methodology to simulate hybrid bolted joints including thermal effects. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 48-66.	2.6	3
13	Testing and simulation of a composite-aluminium wingbox subcomponent subjected to thermal loading. <i>Composite Structures</i> , 2022, 296, 115887.	5.8	2