

# Carlos Sarrado

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

513  
citations

933447

10  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delamination Under Fatigue Loads in Composite Laminates: A Review on the Observed Phenomenology and Computational Methods. <i>Applied Mechanics Reviews</i> , 2014, 66, .	10.1	121
2	Accurate simulation of delamination under mixed-mode loading using a cohesive model with a mode-dependent penalty stiffness. <i>Composite Structures</i> , 2018, 184, 506-511.	5.8	70
3	On the validity of linear elastic fracture mechanics methods to measure the fracture toughness of adhesive joints. <i>International Journal of Solids and Structures</i> , 2016, 81, 110-116.	2.7	50
4	Assessment of energy dissipation during mixed-mode delamination growth using cohesive zone models. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 2128-2136.	7.6	48
5	An experimental analysis of the fracture behavior of composite bonded joints in terms of cohesive laws. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 234-242.	7.6	45
6	An experimental data reduction method for the Mixed Mode Bending test based on the J-integral approach. <i>Composites Science and Technology</i> , 2015, 117, 85-91.	7.8	44
7	A data reduction method based on the J -integral to obtain the interlaminar fracture toughness in a mode II end-loaded split (ELS) test. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 90, 670-677.	7.6	33
8	Towards a consensus on mode II adhesive fracture testing: Experimental study. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 98, 210-219.	4.7	29
9	Finite-thickness cohesive elements for modeling thick adhesives. <i>Engineering Fracture Mechanics</i> , 2016, 168, 105-113.	4.3	27
10	Progressive failure analysis of DCB bonded joints using a new elastic foundation coupled with a cohesive damage model. <i>European Journal of Mechanics, A/Solids</i> , 2017, 63, 22-35.	3.7	25
11	Suitable specimen dimensions for the determination of mode II fracture toughness of bonded joints by means of the ELS test. <i>Engineering Fracture Mechanics</i> , 2018, 202, 350-362.	4.3	8
12	Mode I fatigue behaviour and fracture of adhesively-bonded fibre-reinforced polymer (FRP) composite joints for structural repairs. , 2015, , 121-147.		6
13	Mode II cohesive law extrapolation procedure of composite bonded joints. <i>Engineering Fracture Mechanics</i> , 2021, 244, 107563.	4.3	3
14	Interface elements for fatigue-driven delaminations in advanced composite materials. , 2015, , 73-91.		2
15	Characterization of debonding between two different materials with beam like geometries. <i>Engineering Fracture Mechanics</i> , 2021, 247, 107661.	4.3	2