Sonia Sanchez Saez

List of Publications by Year
in descending order

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54 papers	1,887 citations	257450 24 h-index	265206 42 g-index
55 all docs	55 docs citations	55 times ranked	1415 citing authors

#	Article	IF	Citations
1	Effect of temperature on the low-velocity impact response of environmentally friendly cork sandwich structures. Journal of Sandwich Structures and Materials, 2022, 24, 1099-1121.	3.5	7
2	Modelling of carbon/epoxy sandwich panels with agglomerated cork core subjected to impact loads. International Journal of Impact Engineering, 2022, 159, 104047.	5.0	9
3	Experimental and numerical analysis of the ballistic response of agglomerated cork and its bio-based sandwich structures. Engineering Failure Analysis, 2022, 131, 105904.	4.0	9
4	Temperature, strain rate and anisotropy effects on compressive response of natural and synthetic cellular core materials. Composite Structures, 2021, 260, 113268.	5.8	5
5	Effect of adhesive thickness and overlap on the behavior of composite single-lap joints. Mechanics of Advanced Materials and Structures, 2021, 28, 1111-1120.	2.6	20
6	Compression impact behaviour of agglomerated cork at intermediate strain rates. European Journal of Wood and Wood Products, 2021, 79, 381-396.	2.9	6
7	Assessment of agglomerated corks and PVC foams cores crashworthiness under multiple-impact events in different loading conditions. Polymer Testing, 2021, 96, 107061.	4.8	8
8	Analysis of the influence of ply-orientation in delamination progression in composites laminates using the Serial/Parallel Mixing Theory. Composites Science and Technology, 2021, 211, 108847.	7.8	2
9	Experimental and finite element analysis of the impact response of agglomerated cork and its intraply hybrid flax/basalt sandwich structures. Composite Structures, 2021, 272, 114210.	5.8	6
10	Experimental study of the impact behavior of repaired thin laminates with double composite patch. Mechanics of Advanced Materials and Structures, 2020, 27, 1701-1708.	2.6	17
11	Impact behavior of sandwich structures made of flax/epoxy face sheets and agglomerated cork. Journal of Natural Fibers, 2020, 17, 168-188.	3.1	22
12	Analysis of damage and interlaminar stresses in laminate plates with interacting holes. International Journal of Mechanical Sciences, 2020, 165, 105189.	6.7	6
13	The High-Velocity Impact Behaviour of Kevlar Composite Laminates Filled with Cork Powder. Applied Sciences (Switzerland), 2020, 10, 6108.	2.5	11
14	High-velocity impact behaviour of damaged sandwich plates with agglomerated cork core. Composite Structures, 2020, 248, 112520.	5.8	24
15	Impact response of repaired sandwich structures. Polymer Composites, 2020, 41, 3014-3022.	4.6	9
16	Analysis of the impact location on damage tolerance of bonded-repaired composite laminates. Polymer Testing, 2019, 78, 106000.	4.8	11
17	Numerical analysis of interlaminar stresses in open-hole laminates under compression. Composite Structures, 2019, 217, 89-99.	5.8	14
18	The Potential of Agglomerated Cork for Sandwich Structures: A Systematic Investigation of Physical, Thermal, and Mechanical Properties. Polymers, 2019, 11, 2118.	4.5	16

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19	Matrix cracking evolution in open-hole laminates subjected to thermo-mechanical loads. Composite Structures, 2018, 183, 510-520.	5.8	18
20	Influence of ply orientation on free-edge effects in laminates subjected to in-plane loads. Composites Part B: Engineering, 2018, 153, 149-158.	12.0	18
21	High velocity impact behaviour of hybrid basalt-carbon/epoxy composites. Composite Structures, 2017, 168, 305-312.	5.8	78
22	Compressive deformation and energy-absorption capability of aluminium honeycomb core. Composite Structures, 2017, 174, 123-133.	5.8	82
23	Influence of ply cluster thickness and location on matrix cracking evolution in open-hole composite laminates. Composites Part B: Engineering, 2016, 95, 40-47.	12.0	24
24	Influence of the cohesive law shape on the composite adhesively-bonded patch repair behaviour. Composites Part B: Engineering, 2016, 91, 414-421.	12.0	57
25	A new device for determining the compression after impact strength in thin laminates. Composite Structures, 2015, 127, 99-107.	5.8	39
26	Experimental response of agglomerated cork under multi-impact loads. Materials Letters, 2015, 160, 327-330.	2.6	31
27	The oblique impact response of composite sandwich plates. Composite Structures, 2015, 133, 1127-1136.	5.8	66
28	Damage evolution in open-hole laminated composite plates subjected to in-plane loads. Composite Structures, 2015, 133, 1048-1057.	5.8	38
29	Dynamic crushing behaviour of agglomerated cork. Materials & Design, 2015, 65, 743-748.	5.1	38
30	Analytical study of the low-velocity impact response of composite sandwich beams. Composite Structures, 2014, 111, 459-467.	5.8	26
31	Analysis of damage localization in composite laminates using a discrete damage model. Composites Part B: Engineering, 2014, 66, 224-232.	12.0	37
32	Numerical modelling of the low-velocity impact response of composite sandwich beams with honeycomb core. Composite Structures, 2013, 106, 716-723.	5.8	75
33	Perforation of Composite Laminate Subjected to Dynamic Loads. Solid Mechanics and Its Applications, 2013, , 291-337.	0.2	4
34	Influence of areal density on the energy absorbed by thin composite plates subjected to high-velocity impacts. Journal of Strain Analysis for Engineering Design, 2012, 47, 444-452.	1.8	17
35	Nondimensional analysis of ballistic impact on thin woven laminate plates. International Journal of Impact Engineering, 2012, 39, 8-15.	5.0	22
36	Polypropylene/Hemp Fabric Reinforced Composites: Manufacturing and Mechanical Behaviour. Journal of Biobased Materials and Bioenergy, 2012, 6, 361-369.	0.3	5

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37	Experimental study of agglomerated-cork-cored structures subjected to ballistic impacts. Materials Letters, 2011, 65, 2152-2154.	2.6	27
38	Numerical modelling of foam-cored sandwich plates under high-velocity impact. Composite Structures, 2011, 93, 2392-2399.	5.8	71
39	Behaviour of uniaxially preloaded aluminium plates subjected to high-velocity impact. Mechanics Research Communications, 2011, 38, 404-407.	1.8	18
40	Residual flexural strength after low-velocity impact in glass/polyester composite beams. Composite Structures, 2010, 92, 25-30.	5.8	70
41	FEM analysis of dynamic flexural behaviour of composite sandwich beams with foam core. Composite Structures, 2010, 92, 2285-2291.	5.8	64
42	Modelling of composite sandwich structures with honeycomb core subjected to high-velocity impact. Composite Structures, 2010, 92, 2090-2096.	5.8	163
43	A comparison of progressive-failure criteria in the prediction of the dynamic bending failure of composite laminated beams. Composite Structures, 2010, 92, 2406-2414.	5.8	48
44	Impact behaviour of preloaded glass/polyester woven plates. Composites Science and Technology, 2009, 69, 711-717.	7.8	45
45	Impact Load Behaviour of Resin Transfer Moulding (RTM) Hemp Fibre Composite Laminates. Journal of Biobased Materials and Bioenergy, 2009, 3, 298-310.	0.3	27
46	Dynamic analysis of bendingâ€“torsion coupled composite beams using the Flexibility Influence Function Method. International Journal of Mechanical Sciences, 2008, 50, 1611-1618.	6.7	18
47	Compressive residual strength at low temperatures of composite laminates subjected to low-velocity impacts. Composite Structures, 2008, 85, 226-232.	5.8	67
48	Analysis of the dynamic flexural behaviour of composite beams at low temperature. Composites Science and Technology, 2007, 67, 2616-2632.	7.8	26
49	Application of the flexibility influence function method in the dynamic analysis of composite beams. International Journal of Solids and Structures, 2007, 44, 4795-4809.	2.7	6
50	Response of pre-loaded laminate composite plates subject to high velocity impact. European Physical Journal Special Topics, 2006, 134, 1257-1263.	0.2	13
51	Compression after impact of thin composite laminates. Composites Science and Technology, 2005, 65, 1911-1919.	7.8	206
52	Static behavior of CFRPs at low temperatures. Composites Part B: Engineering, 2002, 33, 383-390.	12.0	39
53	Modelling of the adhesive layer in mixed ceramic/metal armours subjected to impact. Composites Part A: Applied Science and Manufacturing, 2000, 31, 823-833.	7.6	95
54	The effects of water absorption and salt fog exposure on agglomerated cork compressive response. European Journal of Wood and Wood Products, 0, , 1.	2.9	2