

Leigh Sutherland

List of Publications by Year in descending order

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33
papers

1,052
citations

394421

19
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

791
citing authors

#	ARTICLE	IF	CITATIONS
1	Size and scale effects in composites: I. Literature review. Composites Science and Technology, 1999, 59, 209-220.	7.8	115
2	The use of quasi-static testing to obtain the low-velocity impact damage resistance of marine GRP laminates. Composites Part B: Engineering, 2012, 43, 1459-1467.	12.0	89
3	A review of impact testing on marine composite materials: Part I " Marine impacts on marine composites. Composite Structures, 2018, 188, 197-208.	5.8	86
4	Impact characterisation of low fibre-volume glass reinforced polyester circular laminated plates. International Journal of Impact Engineering, 2005, 31, 1-23.	5.0	70
5	The effects of test parameters on the impact response of glass reinforced plastic using an experimental design approach. Composites Science and Technology, 2003, 63, 1-18.	7.8	63
6	Impact on low fibre-volume, glass/polyester rectangular plates. Composite Structures, 2005, 68, 13-22.	5.8	53
7	Contact indentation of marine composites. Composite Structures, 2005, 70, 287-294.	5.8	53
8	Review of probabilistic models of the strength of composite materials. Reliability Engineering and System Safety, 1997, 56, 183-196.	8.9	52
9	Impact behaviour of typical marine composite laminates. Composites Part B: Engineering, 2005, 37, 89-100.	12.0	48
10	Impact tests on woven-roving E-glass/polyester laminates. Composites Science and Technology, 1999, 59, 1553-1567.	7.8	47
11	Low velocity impact response of 3D printed structures formed by cellular metamaterials and stiffening plates: PLA vs. PETg. Composite Structures, 2021, 256, 113128.	5.8	41
12	Size and scale effects in composites: II. Unidirectional laminates. Composites Science and Technology, 1999, 59, 221-233.	7.8	35
13	Effects of laminate thickness and reinforcement type on the impact behaviour of E-glass/polyester laminates. Composites Science and Technology, 1999, 59, 2243-2260.	7.8	34
14	A review of impact testing on marine composite materials: Part III - Damage tolerance and durability. Composite Structures, 2018, 188, 512-518.	5.8	34
15	Numerical simulation of transversely impacted, clamped circular aluminium plates. Ships and Offshore Structures, 2012, 7, 31-45.	1.9	33
16	Effect of laminate thickness and of matrix resin on the impact of low fibre-volume, woven roving E-glass composites. Composites Science and Technology, 2004, 64, 1691-1700.	7.8	31
17	A review of impact testing on marine composite materials: Part II " Impact event and material parameters. Composite Structures, 2018, 188, 503-511.	5.8	31
18	Size and scale effects in composites: III. Woven-roving laminates. Composites Science and Technology, 1999, 59, 235-251.	7.8	26

#	ARTICLE	IF	CITATIONS
19	Scaling of impact on low fibre-volume glass/polyester laminates. Composites Part A: Applied Science and Manufacturing, 2007, 38, 307-317.	7.6	23
20	Impact response of pedestrian bridge multicellular pultruded GFRP deck panels. Composite Structures, 2017, 171, 473-485.	5.8	15
21	A review of impact testing on marine composite materials: Part IV – Scaling, strain rate and marine-type laminates. Composite Structures, 2018, 200, 929-938.	5.8	14
22	Quasi-static indentation response of pedestrian bridge multicellular pultruded GFRP deck panels. Construction and Building Materials, 2016, 118, 307-318.	7.2	13
23	Quasi-static indentation and impact in glass-fibre reinforced polymer sandwich panels for civil and ocean engineering applications. Journal of Sandwich Structures and Materials, 2021, 23, 194-221.	3.5	13
24	Aluminium honeycomb sandwich as a design alternative for lightweight marine structures. Ships and Offshore Structures, 2022, 17, 2355-2366.	1.9	10
25	Statistical experimental design techniques to investigate the strength of adhesively bonded T-joints. Composite Structures, 2017, 159, 445-454.	5.8	9
26	Statistical analyses of the effects of bonding parameters and fabrication robustness on the strength of adhesive T-joints. Composites Part B: Engineering, 2019, 175, 107063.	12.0	4
27	Effect of vacuum bag pressure on the flexural properties of GFRP composite laminates. , 2016, , 429-434.		3
28	Impact behaviour of GRP, aluminium and steel plates. , 2009, , 293-300.		3
29	Lightweight Aluminium Sandwich Structures for Marine Vehicles. Progress in Marine Science and Technology, 2020, , .	0.1	2
30	Considering disabled people in sailing yacht design. , 2012, , 53-61.		1
31	Investigating T-joint strength parameters using statistical experimental design and analysis techniques. , 2016, , 569-574.		1
32	Impact on single-skin marine composites. , 2006, , 535-542.		0
33	Numerical simulation of laterally impacted clamped circular steel plates. , 2011, , 419-427.		0