Paul J Hogg

List of Publications by Year
in descending order

59	2,430	186265 28	206112 48
papers	citations	h-index	g-index

62	62	62	1909
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of impact damage in post-impact compression testing. Composites, 1990, 21, 503-511.	0.7	195
2	Improved fracture toughness of carbon fibre/epoxy composite laminates using dissolvable thermoplastic fibres. Composites Part A: Applied Science and Manufacturing, 2010, 41, 759-767.	7.6	144
3	Mechanical characterisation of glass- and carbon-fibre-reinforced composites made with non-crimp fabrics. Composites Science and Technology, 1997, 57, 1221-1241.	7.8	121
4	Temperature and environmental effects on glass fibre rebar: modulus, strength and interfacial bond strength with concrete. Composites Part B: Engineering, 2005, 36, 394-404.	12.0	121
5	Composites in Armor. Science, 2006, 314, 1100-1101.	12.6	105
6	2D and 3D imaging of fatigue failure mechanisms of 3D woven composites. Composites Part A: Applied Science and Manufacturing, 2015, 77, 37-49.	7.6	100
7	Impact damage tolerance of thermoset composites reinforced with hybrid commingled yarns. Composites Part B: Engineering, 2016, 91, 522-538.	12.0	93
8	Interlaminar toughness of interleaved CFRP using non-woven veils: Part 1. Mode-I testing. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1551-1559.	7.6	92
9	Penetration impact resistance of hybrid composites based on commingled yarn fabrics. Composites Science and Technology, 2003, 63, 467-482.	7.8	88
10	The influence of the nonwoven veil architectures on interlaminar fracture toughness of interleaved composites. Composites Science and Technology, 2015, 110, 103-110.	7.8	77
11	Influence of Fibre Architecture on Impact Damage Tolerance in 3D Woven Composites. Applied Composite Materials, 2012, 19, 799-812.	2.5	76
12	Poly (lactic acid) fibre reinforced biodegradable composites. Composites Part B: Engineering, 2014, 62, 104-112.	12.0	70
13	X-ray computed tomography study of kink bands in unidirectional composites. Composite Structures, 2017, 160, 917-924.	5.8	69
14	Fire Retardancy of Natural Fibre Reinforced Sheet Moulding Compound. Applied Composite Materials, 2007, 14, 251-264.	2.5	66
15	Toughening of thermosetting composites with thermoplastic fibres. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 412, 97-103.	5.6	65
16	Interlaminar toughness of interleaved CFRP using non-woven veils: Part 2. Mode-II testing. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1560-1570.	7.6	64
17	Carbon-fibre non-crimp fabric laminates for cost-effective damage-tolerant structures. Composites Science and Technology, 1998, 58, 129-143.	7.8	55
18	High-temperature damage tolerance of carbon fibre-reinforced plastics. Composites, 1994, 25, 414-424.	0.7	52

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19	Micromechanisms of crack growth in composite materials under corrosive environments. Metal Science, 1980, 14, 441-449.	0.7	47
20	A model for the reduction in compression strength of continuous fibre composites after impact damage. Composites, 1993, 24, 333-339.	0.7	45
21	Effect of fracture toughness properties on the crushing of flat composite plates. Composites Science and Technology, 2006, 66, 2317-2328.	7.8	45
22	Factors affecting the stress corrosion of GRP in acid environments. Composites, 1983, 14, 254-261.	0.7	42
23	Optimisation of the protrusion geometry in Comeldâ„¢ joints. Composites Science and Technology, 2011, 71, 868-876.	7.8	38
24	Influence of reinforcement architecture on damage mechanisms and residual strength of glass-fibre/epoxy composite systems. Composites Science and Technology, 1998, 58, 803-813.	7.8	37
25	The mechanical properties of non-crimped fabric-based composites. Composites, 1993, 24, 423-432.	0.7	36
26	Healing potential of hybrid materials for structural composites. Composite Structures, 2015, 122, 57-66.	5.8	36
27	A model for predicting the properties of the constituents of a glass fibre rebar reinforced concrete beam at elevated temperatures simulating a fire test. Composites Part B: Engineering, 2005, 36, 384-393.	12.0	35
28	High-temperature damage tolerance of carbon fibre-reinforced plastics:. Composites, 1995, 26, 91-102.	0.7	34
29	Stress and strain corrosion of glass-reinforced plastics. Composites, 1981, 12, 166-172.	0.7	28
30	Investigation of plate geometry on the crushing of flat composite plates. Composites Science and Technology, 2006, 66, 1639-1650.	7.8	28
31	An AHP and Fuzzy AHP Multifactor Decision Making Approach for Technology and Supplier Selection in the High-Functionality Textile Industry. IEEE Transactions on Engineering Management, 2021, 68, 1112-1125.	3.5	28
32	Bondline toughening of vacuum infused composite repairs. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1239-1251.	7.6	25
33	Interlaminar fracture toughness of hybrid composites based on commingled yarn fabrics. Composites Science and Technology, 2005, 65, 1547-1563.	7.8	23
34	A model for stress corrosion crack growth in glass reinforced plastics. Composites Science and Technology, 1990, 38, 23-42.	7.8	22
35	Biodegradable fibre reinforced composites composed of polylactic acid and polybutylene succinate. Plastics, Rubber and Composites, 2014, 43, 82-88.	2.0	22
36	Impact damage detection and degradation monitoring of wet GFRP composites using noncontact ultrasonics. Polymer Composites, 2009, 30, 1043-1049.	4.6	21

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37	Hemp fibre as alternative to glass fibre in sheet moulding compound Part 1 â€“ influence of fibre content and surface treatment on mechanical properties. Plastics, Rubber and Composites, 2010, 39, 268-276.	2.0	19
38	A model for unidirectional composites in longitudinal tension and compression. Composites Science and Technology, 1989, 36, 7-26.	7.8	18
39	Finite element analysis of composite T-joints used in wind turbine blades. Plastics, Rubber and Composites, 2015, 44, 87-97.	2.0	18
40	GRP in contact with acidic environmentsâ€”a case study. Composite Structures, 1984, 2, 1-22.	5.8	17
41	Finite-element-assisted modelling of a thermoplastic pultrusion process for powder-impregnated yarn. Composites Science and Technology, 1998, 58, 1371-1380.	7.8	13
42	The influence of flow-induced anisotropy on the impact behaviour of injection-moulded short-fibre composites. Composites Science and Technology, 1987, 29, 89-102.	7.8	12
43	Double cantilever beam Mode-I testing for vacuum infused repairs of GFRP. Journal of Adhesion Science and Technology, 2003, 17, 309-328.	2.6	12
44	Prediction of the Failure Time of Glass Fiber Reinforced Plastic Reinforced Concrete Beams under Fire Conditions. Journal of Composites for Construction, 2005, 9, 450-457.	3.2	11
45	The influence of surface morphology on the interfacial adhesion and fracture behavior of vacuum infused carbon fiber reinforced polymeric repairs. Polymer Composites, 2008, 29, 92-108.	4.6	11
46	Technology selection in the absence of standardised materials and processes: a survey in the UK composite materials supply chain. Production Planning and Control, 2017, 28, 158-176.	8.8	11
47	Optimisation of crush energy absorption of non-crimp fabric laminates by through-thickness stitching. Composites Part A: Applied Science and Manufacturing, 2011, 42, 712-722.	7.6	10
48	Finite Element Assisted Modelling of the Microscopic Impregnation Process in Thermoplastic Preforms. Applied Composite Materials, 1998, 5, 237-255.	2.5	8
49	Hemp fibre as alternative to glass fibre in sheet moulding compound. Part 2â€”impact properties. Plastics, Rubber and Composites, 2015, 44, 291-298.	2.0	7
50	Durability of non-crimp fabric composites in aqueous environments. Plastics, Rubber and Composites, 2001, 30, 233-242.	2.0	4
51	Low cost ceramic moulding composites: impact properties. Advances in Applied Ceramics, 2004, 103, 158-164.	0.4	4
52	A design process for the adoption of composite materials and supply chain reconfiguration supported by a software tool. Computers and Industrial Engineering, 2018, 121, 62-72.	6.3	4
53	THE COMPRESSION PERFORMANCE AND THE ASSOCIATED GLOBAL BUCKLING BEHAVIOR OF A VACUUM-INFUSED REPAIRED COMPOSITE COMPONENT MONITORED BY THE SHADOW MOIRÃ‰ TECHNIQUE. Experimental Techniques, 2008, 32, 39-46.	1.5	3
54	Test conditions in stress wave factor measurements for fibre-reinforced composites and laminates. NDT International, 1988, 21, 3-10.	0.0	1

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55	Carbon, carrots and composites. Materials Technology, 2007, 22, 1-1.	3.0	1
56	Impact Resistance of Interleaved FRP Using Non-Woven Fabric as Interleaf Materials. Journal of the Japan Society for Composite Materials, 2007, 33, 55-61.	0.2	1
57	Is There A Future For The Engineering Profession?. Materials Technology, 2001, 16, 8-13.	3.0	0
58	A Strategy For Materials. Materials Technology, 2006, 21, 73-73.	3.0	0
59	Impact Performance of Macrocomposite Laminates - Evaluation of Energy Absorbed in Non-Penetration Impact Test. Journal of Reinforced Plastics and Composites, 2000, 19, 1363-1378.	3.1	0