Caroline Baillie

List of Publications by Year
in descending order

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28 papers	855 citations	687363 13 h-index	642732 23 g-index
28 all docs	28 docs citations	28 times ranked	729 citing authors

#	Article	IF	Citations
1	Improving the delamination resistance of CFRP by stitchingâ€"a review. Composites Science and Technology, 1994, 50, 305-317.	7.8	472
2	Influence of fibre extraction method, alkali and silane treatment on the interface of Agave americana waste HDPE composites as possible roof ceilings in Lesotho. Composite Interfaces, 2007, 14, 821-836.	2.3	59
3	The â€˜Power Testâ€™: its impact on student learning in a materials science course for engineering students. Assessment and Evaluation in Higher Education, 1997, 22, 33-48.	5.6	34
4	Interfacial debonding and fibre pull-out stresses. Journal of Materials Science, 1994, 29, 5541-5550.	3.7	30
5	Engineers within a Local and Global Society. Synthesis Lectures on Engineers, Technology, and Society, 2006, 1, 1-76.	0.1	28
6	Fracture Mechanics Analysis of the Fibre Fragmentation Test. Journal of Composite Materials, 1995, 29, 881-902.	2.4	26
7	Eco-Composites. Composites Science and Technology, 2003, 63, 1223-1224.	7.8	26
8	Waste-based compositesâ€"Poverty reducing solutions to environmental problems. Resources, Conservation and Recycling, 2011, 55, 973-978.	10.8	25
9	Friction and wear mechanisms of a thermoplastic composite GF/PA6 subjected to different thermal histories. Wear, 1996, 194, 178-184.	3.1	24
10	Developing and characterizing new materials based on waste plastic and agro-fibre. Journal of Materials Science, 2008, 43, 4057-4068.	3.7	23
11	Engineering and Society: Working Towards Social Justice, Part I: Engineering and Society. Synthesis Lectures on Engineers, Technology, and Society, 2009, 4, 1-114.	0.1	17
12	Instability of interfacial debonding during fibre pull-out. Scripta Metallurgica Et Materialia, 1991, 25, 315-320.	1.0	16
13	Banana fiber/low-density polyethylene recycled composites for third world eco-friendly construction applications â€“ Waste for life project Sri Lanka. Journal of Reinforced Plastics and Composites, 2018, 37, 1322-1331.	3.1	14
14	Needs and Feasibility: A Guide for Engineers in Community Projects --- The Case of Waste for Life. Synthesis Lectures on Engineers, Technology, and Society, 2010, 5, 1-135.	0.1	13
15	Structure and Properties of Bovine Hoof Horn. Advanced Composites Letters, 2000, 9, 096369350000900.	1.3	12
16	Sustainable waste management through eco-entrepreneurship: an empirical study of waste upcycling eco-enterprises in Sri Lanka. Journal of Material Cycles and Waste Management, 2021, 23, 557-565.	3.0	7
17	Waste for life. Materials Today, 2008, 11, 6.	14.2	6
18	A quantitative study of matrix crack propagation in the fragmentation test. Composites Part A: Applied Science and Manufacturing, 1998, 29, 1091-1097.	7.6	4

#	Article	IF	Citations
19	Special session - increasing awareness of issues of poverty, environmental degradation and war within the engineering classroom: A course modules approach. , 2008, , .		4
20	Mechanical and thermal characterization of as-received recycled polyethylene filled with rice husk and their relationship to the end use of these composites. Polymer-Plastics Technology and Materials, 2020, 59, 1463-1472.	1.3	4
21	Building knowledge about the interface in composite materials. Materials Research Innovations, 2000, 3, 365-370.	2.3	3
22	The Garbage Crisis: A Global Challenge for Engineers. Synthesis Lectures on Engineers, Technology, and Society, 2013, 7, 1-155.	0.1	3
23	Assisting engineering students along a liminal pathway and assessing their progress. Australasian Journal of Engineering Education, 2019, 24, 25-34.	1.4	3
24	Interfacial Pathways in Wood. Advanced Composites Letters, 2000, 9, 096369350000900.	1.3	1
25	Special Session - Not Many Women in Engineering -- So Why Should I Care? Bridging Gender Gaps and Stereotypes. , 2006, , .		1
26	Building Knowledge in Materials Science. Materials Research Society Symposia Proceedings, 2000, 632, 1.	0.1	0
27	Whose choice is it anyway?. Materials Today, 2009, 12, 6.	14.2	0
28	Engineering Studentsâ€™ Conceptualizations of Sustainability. , 2020, , .		0