Wesley James Cantwell

List of Publications by Year in Descending Order

221 papers	8,887 citations	50 h-index	86 g-index
229 ext. papers	9,981 ext. citations	4.6 avg, IF	6.39 L-index

#	Paper	IF	Citations
221	In-situ X-ray computed tomography characterization of compaction-creep-recovery response and statistical void analysis of carbon/epoxy prepregs. *Composites Communications*, **2022**, 31, 101117	6.7	0
220	Crack healing in infusible thermoplastic composite laminates. *Composites Part A: Applied Science and Manufacturing*, **2022**, 156, 106896	8.4	2
219	Viscoelastic and cyclic compaction response of prepregs tested under isothermal temperatures and various compaction speeds. *Polymer Composites*, **2021**, 42, 6928	3	2
218	The effect of carbon fibre stitching on the tensile behaviour of secondary bonded single- and double-lap composite joints. *Composite Structures*, **2021**, 265, 113774	5.3	3
217	Mechanical behaviour of composite laminates repaired with a stitched scarf patch. *Composite Structures*, **2021**, 255, 112928	5.3	4
216	Single and multi-layer core designs for Pseudo-Ductile failure in honeycomb sandwich structures. *Composite Structures*, **2021**, 256, 113059	5.3	2
215	Evaluation of the dynamic response of triply periodic minimal surfaces subjected to high strain-rate compression. *Additive Manufacturing*, **2021**, 46, 102220	6.1	1
214	Energy-absorbing characteristics of hollow-cylindrical hierarchical honeycomb composite tubes inspired a beetle forewing. *Composite Structures*, **2021**, 278, 114637	5.3	1
213	Multiscale modelling of scaling effects in the impact response of plain woven composites. *Composites Part B: Engineering*, **2020**, 188, 107885	10	6
212	The blast response of composite and fiber-metal laminate materials **2020**, 415-439		
211	The effect of loading rate on the compression properties of carbon fibre-reinforced epoxy honeycomb structures. *Journal of Composite Materials*, **2020**, 54, 2565-2576	2.7	5
210	Experimental and numerical characterization of titanium-based fibre metal laminates. *Composite Structures*, **2020**, 245, 112398	5.3	19
209	Process-induced deformation in U-shaped honeycomb aerospace composite structures. *Composite Structures*, **2020**, 248, 112503	5.3	14
208	Compressive testing of reinforced Nomex honeycomb at elevated temperatures. *Advanced Composite Materials*, **2020**, 29, 335-350	2.8	2
207	Process induced deformations in composite sandwich panels using an in-homogeneous layup design. *Composites Part A: Applied Science and Manufacturing*, **2020**, 137, 106020	8.4	3
206	Creep compaction and □T based permeability measurement of aerospace-grade out-of-life prepregs. *Materials Today Communications*, **2020**, 25, 101419	2.5	6
205	Processing and out-of-plane properties of composites with embedded graphene paper for EMI shielding applications. *Composites Part A: Applied Science and Manufacturing*, **2020**, 134, 105901	8.4	10

204	Application of X-ray computed tomography for the virtual permeability prediction of fiber reinforcements for liquid composite molding processes: A review. *Composites Science and Technology*, **2019**, 184, 107828	8.6	36
203	The mechanical behaviour of spherical egg-box sandwich structures. *Polymer Testing*, **2019**, 78, 105954	4.5	11
202	Manufacturing and Performance Evaluation of Carbon Fiber Reinforced Honeycombs. *Journal of Composites Science*, **2019**, 3, 13	3	5
201	In-plane virtual permeability characterization of 3D woven fabrics using a hybrid experimental and numerical approach. *Composites Science and Technology*, **2019**, 173, 99-109	8.6	40
200	The energy-absorbing characteristics of carbon fiber-reinforced epoxy honeycomb structures. *Journal of Composite Materials*, **2019**, 53, 1145-1157	2.7	18
199	Blast response of aluminium/thermoplastic polyurethane sandwich panels: experimental work and numerical analysis. *International Journal of Impact Engineering*, **2019**, 127, 31-40	4	15
198	Energy absorption in aluminium honeycomb cores reinforced with carbon fibre reinforced plastic tubes. *Journal of Sandwich Structures and Materials*, **2019**, 21, 2801-2815	2.1	9
197	The modelling of impact loading on thermoplastic fibre-metal laminates. *Composite Structures*, **2018**, 189, 228-238	5.3	21
196	The compressive properties of sandwich structures based on an egg-box core design. *Composites Part B: Engineering*, **2018**, 144, 143-152	10	15
195	Analysis of the compression behaviour of different composite lattice designs. *Journal of Composite Materials*, **2018**, 52, 715-729	2.7	7
194	The crushing characteristics of reinforced Nomex honeycomb. *Journal of Reinforced Plastics and Composites*, **2018**, 37, 1267-1276	2.9	6
193	Damage initiation in composite materials under off-centre impact loading. *Polymer Testing*, **2018**, 69, 456-461	4.5	11
192	The Mechanical Properties of Corrugated Core Structures Based on Flax Fibre Composites. *Current Analytical Chemistry*, **2018**, 14, 285-291	1.7	1
191	High-velocity impact deformation and perforation of fibre metal laminates. *Journal of Materials Science*, **2018**, 53, 4209-4228	4.3	31
190	The energy-absorbing behaviour of composite tube-reinforced foams. *Composites Part B: Engineering*, **2018**, 139, 227-237	10	37
189	Scaling effects in the manufacture and testing of grid-stiffened composite structures. *Journal of Composite Materials*, **2018**, 52, 2351-2363	2.7	2
188	The perforation resistance of glass fibre reinforced PEKK composites. *Polymer Testing*, **2018**, 72, 423-431	4.5	12
187	Modeling of the compression behavior of foam cores reinforced with composite rods. *Polymer Composites*, **2017**, 38, 2301-2311	3	2

186	Graphene coated piezo-resistive fabrics for liquid composite molding process monitoring. *Composites Science and Technology*, **2017**, 148, 106-114	8.6	41
185	The mechanical properties of 3D woven composites. *Journal of Composite Materials*, **2017**, 51, 1703-1716	2.7	41
184	An experimental study of scaling effects in the perforation resistance of woven CFRP laminates. *Composite Structures*, **2017**, 181, 285-293	5.3	3
183	Transverse permeability of dry fiber preforms manufactured by automated fiber placement. *Composites Science and Technology*, **2017**, 152, 57-67	8.6	36
182	The energy-absorbing properties of composite tube-reinforced aluminum honeycomb. *Composite Structures*, **2017**, 176, 630-639	5.3	24
181	Impact on thermoplastic fibre-metal laminates: Experimental observations. *Composite Structures*, **2017**, 159, 800-817	5.3	40
180	The static and dynamic response of CFRP tube reinforced polyurethane. *Composite Structures*, **2017** , 161, 85-92	5.3	11
179	An experimental and numerical study on scaling effects in the low velocity impact response of CFRP laminates. *Composite Structures*, **2016**, 154, 69-78	5.3	28
178	Skin-core debonding in resin-infused sandwich structures. *Polymer Composites*, **2016**, 37, 2974-2981	3	6
177	Investigation of peel resistance during the fibre placement process. *Journal of Reinforced Plastics and Composites*, **2016**, 35, 275-286	2.9	20
176	The low velocity impact response of curvilinear-core sandwich structures. *International Journal of Impact Engineering*, **2016**, 93, 28-38	4	35
175	Scaling effects in the mechanical response of sandwich structures based on corrugated composite cores. *Composites Part B: Engineering*, **2016**, 93, 88-96	10	27
174	The fabrication and mechanical properties of novel composite lattice structures. *Materials and Design*, **2016**, 91, 286-293	8.1	24
173	A numerical study of the energy-absorption characteristics of metal tube-reinforced polymer foams. *Journal of Sandwich Structures and Materials*, **2016**, 18, 597-623	2.1	11
172	Deformation behaviour of steel/SRPP fibre metal laminate characterised by evolution of surface strains. *Advances in Aircraft and Spacecraft Science*, **2016**, 3, 61-75		5
171	The Low Velocity Impact Response of Nano Modified Composites Manufactured Using Automated Dry Fibre Placement. *Polymers and Polymer Composites*, **2016**, 24, 233-240	0.8	10
170	The analysis of the ultimate blast failure modes in fibre metal laminates. *Composites Science and Technology*, **2016**, 135, 1-12	8.6	18
169	An analytical model of the dynamic response of circular composite plates to high-velocity impact. *International Journal of Impact Engineering*, **2015**, 85, 67-82	4	13

168	The energy-absorption characteristics of metal tube-reinforced polymer foams. *Journal of Sandwich Structures and Materials*, **2015**, 17, 74-94	2.1	17
167	The blast response of composite and fibre-metal laminate materials used in aerospace applications **2015**, 371-391		1
166	Interfacial fracture of the fibre-metal laminates based on fibre reinforced thermoplastics. *Materials & Design*, **2015**, 66, 446-452		45
165	An Evaluation of the Compression Response of High-Performance Prepregs for Afp Applications. *Polymers and Polymer Composites*, **2015**, 23, 389-398	0.8	2
164	The energy-absorbing properties of internally reinforced composite-metal cylinders with various diameter-to-thickness ratios. *Journal of Reinforced Plastics and Composites*, **2015**, 34, 731-741	2.9	8
163	The influence of strain-rate on the perforation resistance of fiber metal laminates. *Composite Structures*, **2015**, 125, 247-255	5.3	15
162	The blast resistance of stitched sandwich panels. *International Journal of Impact Engineering*, **2014**, 65, 137-145	4	27
161	The energy-absorbing characteristics of composite tube-reinforced foam structures. *Composites Part B: Engineering*, **2014**, 61, 127-135	10	46
160	The impact response of environmental-friendly sandwich structures. *Journal of Composite Materials* , **2014**, 48, 3083-3090	2.7	9
159	Geometrical effects in the impact response of the aluminium honeycomb sandwich structures. *Journal of Reinforced Plastics and Composites*, **2014**, 33, 1148-1157	2.9	14
158	Characterisation of aluminium matrix syntactic foams under drop weight impact. *Materials & Design* , **2014**, 59, 296-302		55
157	The energy-absorbing behaviour of foam cores reinforced with composite rods. *Composite Structures*, **2014**, 116, 346-356	5.3	23
156	Modelling of perforation failure in fibre metal laminates subjected to high impulsive blast loading. *International Journal of Solids and Structures*, **2014**, 51, 3135-3146	3.1	46
155	The response of polymeric composite structures to air-blast loading: a state-of-the-art. *International Materials Reviews*, **2014**, 59, 159-177	16.1	37
154	The shear response of lightweight corrugated core structures. *Journal of Composite Materials*, **2014** , 48, 3785-3798	2.7	3
153	Characterisation of Aluminium Matrix Syntactic Foams Dynamic Loading. *Applied Mechanics and Materials*, **2014**, 564, 449-454	0.3	7
152	The Fracture Properties of Sandwich Structures Based on a Metal Foam Core. *Advanced Materials Research*, **2014**, 936, 2054-2062	0.5	
151	The energy-absorbing characteristics of polymer foams reinforced with bamboo tubes. *Journal of Sandwich Structures and Materials*, **2014**, 16, 108-122	2.1	8

150	Low-velocity impact performance of lattice structure core based sandwich panels. *Journal of Composite Materials*, **2014**, 48, 3153-3167	2.7	36
149	The mechanical properties of natural fibre based honeycomb core materials. *Composites Part B: Engineering*, **2014**, 58, 1-9	10	58
148	Skin-core adhesion in high performance sandwich structures. *Journal of Zhejiang University: Science A*, **2014**, 15, 61-67	2.1	5
147	Autoclave cure simulation of composite structures applying implicit and explicit FE techniques. *International Journal of Mechanics and Materials in Design*, **2013**, 9, 55-63	2.5	29
146	Active control of a smart composite with shape memory alloy sheet using a plastic optical fiber sensor. *Sensors and Actuators A: Physical*, **2013**, 201, 182-187	3.9	10
145	Prediction of the mechanical properties of micro-lattice structures subjected to multi-axial loading. *International Journal of Mechanical Sciences*, **2013**, 68, 47-55	5.5	52
144	The mechanical behaviour of corrugated-core sandwich panels. *Composites Part B: Engineering*, **2013**, 47, 267-277	10	148
143	Finite element modelling of the compressive response of lattice structures manufactured using the selective laser melting technique. *International Journal of Mechanical Sciences*, **2013**, 67, 28-41	5.5	279
142	Scaling effects in the low velocity impact response of sandwich structures. *Composite Structures*, **2013**, 99, 97-104	5.3	20
141	Modelling of the low-impulse blast behaviour of fibre□metal laminates based on different aluminium alloys. *Composites Part B: Engineering*, **2013**, 44, 141-151	10	51
140	Forming studies of carbon fibre composite sheets in dome forming processes. *Composite Structures* , **2013**, 97, 310-316	5.3	31
139	The impact response of graded foam sandwich structures. *Composite Structures*, **2013**, 97, 370-377	5.3	84
138	Investigation of the Deformation Behaviour of a Thermoplastic Fibre Metal Laminate. *Materials Science Forum*, **2013**, 773-774, 503-511	0.4	
137	Damage characterisation on PP-hemp/aluminium fibre□metal laminates using acoustic emission. *Journal of Composite Materials*, **2013**, 47, 2265-2274	2.7	7
136	Estimation of Bending Behaviour for Beams Composed of Three-Dimensional Micro-Lattice Cells (Part 1 Based on Numerical Analysis). *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2013**, 79, 620-632		4
135	Strain rate effects in the indentation behavior of foam-based sandwich structures. *Journal of Composite Materials*, **2012**, 46, 1191-1199	2.7	5
134	The influence of core density on the blast resistance of foam-based sandwich structures. *International Journal of Impact Engineering*, **2012**, 50, 9-16	4	50
133	The influence of core properties on the perforation resistance of sandwich structures □An experimental study. *Composites Part B: Engineering*, **2012**, 43, 3231-3238	10	37

132	The low velocity impact response of foam-based sandwich panels. *Composites Science and Technology*, **2012**, 72, 1781-1790	8.6	102
131	Stretch forming studies on a fibre metal laminate based on a self-reinforcing polypropylene composite. *Composite Structures*, **2012**, 94, 431-437	5.3	45
130	Low-impulse blast behaviour of fibre-metal laminates. *Composite Structures*, **2012**, 94, 954-965	5.3	46
129	The Properties of Lattice Structures Manufactured Using Selective Laser Melting. *Advanced Materials Research*, **2012**, 445, 386-391	0.5	7
128	The high-velocity impact response of thermoplastic matrix fibre metal laminates. *Journal of Strain Analysis for Engineering Design*, **2012**, 47, 432-443	1.3	15
127	Estimation of the compressive and shear responses of three-dimensional micro-lattice structures. *Procedia Engineering*, **2011**, 10, 2441-2446		4
126	Shear Deformation Response for Three-Dimensional Lattice Structures(2nd Report, Effects of Unit Cell Geometry in a Lattice Structure). *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2011**, 77, 1417-1432		0
125	Modeling perforation in glass fiber reinforced composites subjected to low velocity impact loading. *Polymer Composites*, **2011**, 32, 1380-1388	3	16
124	Numerical modelling of perforation failure in fibre metal laminates subjected to low velocity impact loading. *Composite Structures*, **2011**, 93, 2430-2436	5.3	71
123	Comparison on Compressive Behaviour of Aluminium Honeycomb and Titanium Alloy Micro Lattice Blocks. *Key Engineering Materials*, **2011**, 462-463, 213-218	0.4	5
122	Estimation of the Mechanical Properties of Lightweight Lattice Structures Subjected to Compressive Loading : 3rd Report, Effects of the Constrained Condition along the Edges on the Mechanical Properties of Lattice Structure. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2010**, 76, 860-867		1
121	The Mechanical Properties of Sandwich Structures Based on Metal Lattice Architectures. *Journal of Sandwich Structures and Materials*, **2010**, 12, 159-180	2.1	92
120	The Response of Honeycomb Core Sandwich Panels, with Aluminum and Composite Face Sheets, to Blast Loading. *Journal of Sandwich Structures and Materials*, **2010**, 12, 733-754	2.1	27
119	Evaluation of the Mechanical Properties of Lightweight Lattice Structures Subjected to Compressive Loading Part I : Analytical Approach for the Initial Stiffness and Plastic Collapse Strength. *Journal of Computational Science and Technology*, **2010**, 4, 159-171		1
118	Shear Deformation Response for Three-Dimensional Lattice Structures : 1st Report, Effects of Geometry of Overall Lattice Structure. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2010**, 76, 1557-1564		1
117	Estimation of the Energy Absorption Capacity for BCC Micro-Lattice Structure Subjected to Compressive Loading. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2010**, 76, 266-273		1
116	Towards a rapid, non-contact shaping method for fibre metal laminates using a laser source. *International Journal of Advanced Manufacturing Technology*, **2010**, 47, 557-565	3.2	18
115	Impact Response Characterization in Composite Plates Experimental Validation. *Applied Composite Materials*, **2010**, 17, 463-472	2	15

114	Impact damage initiation in composite materials. *Composites Science and Technology*, **2010**, 70, 336-342	8.6	77
113	The Influence of Loading Rate on the Mode III Fracture Properties of Adhesively Bonded Composites. *Journal of Reinforced Plastics and Composites*, **2009**, 28, 1999-2012	2.9	5
112	The Influence of Loading Rate on the Mode III Interlaminar Fracture Toughness of Composite/Steel Bi-material Systems. *Journal of Composite Materials*, **2009**, 43, 2255-2268	2.7	5
111	Mechanical properties of a novel fiber–metal laminate based on a polypropylene composite. *Mechanics of Materials*, **2009**, 41, 828-838	3.3	92
110	Numerical modeling of the impact response of fiber–metal laminates. *Polymer Composites*, **2009**, 30, 603-611	3	37
109	Estimation of the Mechanical Properties of Lightweight Lattice Structures Subjected to Compressive Loading : 2nd Report, Effects of the Loading Direction and the Existence of Partially-Complete Cells on the Mechanical Properties of Lattice Structure. *Nihon Kikai Gakkai*		1
108	Evaluation of the Mechanical Properties of Lightweight Lattice Structures Subjected to Compressive Loading : 1st Report, Analytical Approach for the Initial Stiffness and Plastic Collapse Strength. *Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A*, **2009**, 75, 572-579		3
107	Scaling Effects in the Low Velocity Impact Response of Fiber-Metal Laminates. *Journal of Reinforced Plastics and Composites*, **2008**, 27, 893-907	2.9	45
106	Investigation of Scaling Effects in Fiber–Metal Laminates. *Journal of Composite Materials*, **2008**, 42, 865-888	2.7	27
105	The Blast Behavior of Fiber Reinforced Thermoplastic Laminates. *Journal of Composite Materials*, **2008**, 42, 2275-2297	2.7	31
104	The morphing properties of a smart fiber metal laminate. *Polymer Composites*, **2008**, 29, 1263-1268	3	10
103	The response of fibre metal laminate panels subjected to uniformly distributed blast loading. *European Journal of Mechanics, A/Solids*, **2008**, 27, 107-115	3.7	32
102	The quasi-static and blast loading response of lattice structures. *International Journal of Impact Engineering*, **2008**, 35, 795-810	4	210
101	The Impact Properties of High-temperature Fiber-Metal Laminates. *Journal of Composite Materials*, **2007**, 41, 613-632	2.7	58
100	Scaling effects in the tensile behavior of fiber-metal laminates. *Composites Science and Technology*, **2007**, 67, 1684-1693	8.6	34
99	Failure characterisation of blast-loaded fibre–metal laminate panels based on aluminium and glass–fibre reinforced polypropylene. *Composites Science and Technology*, **2007**, 67, 1385-1405	8.6	50
98	Geometrical effects in the low velocity impact response of GFRP. *Composites Science and Technology*, **2007**, 67, 1900-1908	8.6	49
97	Behaviour of fibre–metal laminates subjected to localised blast loading: Part I–Experimental observations. *International Journal of Impact Engineering*, **2007**, 34, 1202-1222	4	92

96	The fracture properties of a smart fiber metal laminate. *Polymer Composites*, **2007**, 28, 534-544	3	6
95	Behaviour of fibre metal laminates subjected to localised blast loading—Part II: Quantitative analysis. *International Journal of Impact Engineering*, **2007**, 34, 1223-1245	4	72
94	Localised blast loading of fibre–metal laminates with a polyamide matrix. *Composites Part B: Engineering*, **2007**, 38, 902-913	10	24
93	Investigation of Strain-rate Effects in Self-reinforced Polypropylene Composites. *Journal of Composite Materials*, **2007**, 41, 2457-2470	2.7	30
92	The Influence of Strain Rate on the Mode III Interlaminar Fracture of Composite Materials. *Journal of Composite Materials*, **2007**, 41, 2595-2614	2.7	38
91	The prediction of tensile failure in titanium-based thermoplastic fibre–metal laminates. *Composites Science and Technology*, **2006**, 66, 2306-2316	8.6	107
90	Structure–properties relations in titanium-based thermoplastic fiber–metal laminates. *Polymer Composites*, **2006**, 27, 264-270	3	25
89	The impact resistance of fiber–metal laminates based on glass fiber reinforced polypropylene. *Polymer Composites*, **2006**, 27, 700-708	3	24
88	The impact resistance of polypropylene-based fibre–metal laminates. *Composites Science and Technology*, **2006**, 66, 1682-1693	8.6	148
87	The development of a finite element model for simulating the stamp forming of fibre–metal laminates. *Composite Structures*, **2006**, 75, 298-304	5.3	33
86	Drawing behaviour of metal–composite sandwich structures. *Composite Structures*, **2006**, 75, 305-312	5.3	85
85	Understanding the behaviour of fibre metal laminates subjected to localised blast loading. *Composite Structures*, **2006**, 76, 82-87	5.3	24
84	Stamp forming of polypropylene based fibre–metal laminates: The effect of process variables on formability. *Journal of Materials Processing Technology*, **2006**, 172, 163-168	5.3	70
83	The effect of process temperature on the formability of polypropylene based fibre–metal laminates. *Composites Part A: Applied Science and Manufacturing*, **2005**, 36, 1158-1166	8.4	55
82	Low-velocity Impact Response of High-performance Aluminum Foam Sandwich Structures. *Journal of Reinforced Plastics and Composites*, **2005**, 24, 1057-1072	2.9	30
81	The fracture properties of a fibre–metal laminate based on magnesium alloy. *Composites Part B: Engineering*, **2005**, 37, 163-170	10	110
80	Process monitoring of aluminum-foam sandwich structures based on thermoplastic fibre–metal laminates using fibre Bragg gratings. *Composites Science and Technology*, **2005**, 65, 669-676	8.6	17
79	Damage monitoring in aluminum-foam sandwich structures based on thermoplastic fibre-metal laminates using fibre Bragg gratings. *Composites Science and Technology*, **2005**, 65, 1800-1807	8.6	16

78	The blast response of novel thermoplastic-based fibre-metal laminates – some preliminary results and observations. *Composites Science and Technology*, **2005**, 65, 861-872	8.6	62
77	The Tensile and Fatigue Properties of Carbon Fiber-reinforced PEEK-Titanium Fiber-metal Laminates. *Journal of Reinforced Plastics and Composites*, **2004**, 23, 1615-1623	2.9	71
76	The high velocity impact response of composite and FML-reinforced sandwich structures. *Composites Science and Technology*, **2004**, 64, 35-54	8.6	154
75	The impact response of aluminum foam sandwich structures based on a glass fiber-reinforced polypropylene fiber-metal laminate. *Polymer Composites*, **2004**, 25, 499-509	3	27
74	The use of plastic optical fibre sensors for monitoring the dynamic response of fibre composite beams. *Measurement Science and Technology*, **2003**, 14, 736-745	2	34
73	The use of plastic optical fibres and shape memory alloys for damage assessment and damping control in composite materials. *Measurement Science and Technology*, **2003**, 14, 1305-1313	2	31
72	Low velocity impact response of novel fiber-reinforced aluminum foam sandwich structures. *Journal of Materials Science Letters*, **2003**, 22, 417-422		21
71	The low velocity impact response of an aluminium honeycomb sandwich structure. *Composites Part B: Engineering*, **2003**, 34, 679-687	10	146
70	Plastic Optical Fibre Sensors for Environmental Monitoring: Biofouling and Strain Applications. *Strain*, **2003**, 39, 115-119	1.7	21
69	Crack detection and vertical deflection monitoring in concrete beams using plastic optical fibre sensors. *Measurement Science and Technology*, **2003**, 14, 205-216	2	62
68	Use of conventional optical fibers and fiber Bragg gratings for damage detection in advanced composite structures: A review. *Applied Mechanics Reviews*, **2003**, 56, 493-513	8.6	89
67	The low velocity impact response of foam-based sandwich structures. *Composites Part B: Engineering*, **2002**, 33, 193-204	10	180
66	The effect of moisture and loading rate on the interfacial fracture properties of sandwich structures. *Polymer Composites*, **2002**, 23, 406-417	3	21
65	Real-Time damage detection in thermoplastic-based composite materials with embedded multi-mode optical fiber sensors. *Polymer Composites*, **2002**, 23, 603-618	3	3
64	The influence of cooling rate on the fracture properties of a glass reiforced/nylon fiber-metal laminate. *Polymer Composites*, **2002**, 23, 839-851	3	10
63	. *Journal of Materials Science Letters*, **2002**, 21, 263-266		4
62	Detection of impact damage in thermoplastic-based fiber-metal laminates using optical fiber sensors. *Journal of Materials Science Letters*, **2002**, 21, 1351-1354		2
61	Interfacial fracture properties of carbon fiber reinforced PEEK/titanium fiber-metal laminates. *Journal of Materials Science Letters*, **2002**, 21, 1819-1823		8

60	The Influence of Cooling Rate on the Fracture Properties of a Thermoplastic-Based Fibre-Metal Laminate. *Journal of Reinforced Plastics and Composites*, **2002**, 21, 749-772	2.9	29
59	In situprocess monitoring of a thermoplastic-based fibre composite using optical fibre sensors. *Smart Materials and Structures*, **2002**, 11, 840-847	3.4	7
58	An evaluation of a novel plastic optical fibre sensor for axial strain and bend measurements. *Measurement Science and Technology*, **2002**, 13, 1523-1534	2	139
57	Embedded fibre Bragg grating sensors in advanced composite materials. *Composites Science and Technology*, **2001**, 61, 1379-1387	8.6	168
56	The effect of temperature and loading rate on the mode II interlaminar fracture properties of a carbon fiber reinforced phenolic. *Polymer Composites*, **2001**, 22, 165-173	3	4
55	Temperature and loading rate effects in the mode II interlaminar fracture behavior of carbon fiber reinforced PEEK. *Polymer Composites*, **2001**, 22, 271-281	3	19
54	Impact perforation resistance and fracture mechanisms of a thermoplastic based fiber-metal laminate. *Journal of Materials Science Letters*, **2001**, 20, 597-599		52
53	Impact damage characterization on jute reinforced composites. *Journal of Materials Science Letters*, **2001**, 20, 477-479		12
52	The interfacial fracture toughness of a polyamide-based fiber-metal laminate bonded with an ionomer resin. *Journal of Materials Science Letters*, **2001**, 20, 509-512		7
51	Residual strain measurement and impact response of optical fibre Bragg grating sensors in fibre metal laminates. *Smart Materials and Structures*, **2001**, 10, 338-346	3.4	46
50	The mechanical properties of fibre-metal laminates based on glass fibre reinforced polypropylene. *Composites Science and Technology*, **2000**, 60, 1085-1094	8.6	172
49	The fracture properties of novel aluminum foam sandwich structures. *Journal of Materials Science Letters*, **2000**, 19, 2205-2208		24
48	Adhesive bonding and wettability of plasma treated, glass fiber-reinforced nylon-6,6 composites. *Journal of Materials Science Letters*, **2000**, 19, 1829-1832		15
47	A new test geometry for characterizing skin-core adhesion in thin-skinned sandwich structures. *Journal of Materials Science Letters*, **2000**, 19, 1365-1367		9
46	Plasma Surface Modification of Glass Fibre-Reinforced Nylon-6,6 Thermoplastic Composites for Improved Adhesive Bonding. *Journal of Materials Science*, **2000**, 8, 363-373		28
45	Effect of surface treatment on mode I interlaminar fracture behaviour of plain glass woven fabric composites: Part I. Report of the 2nd round-robin test results. *Composite Interfaces*, **2000**, 7, 227-242	2.3	14
44	Interfacial fracture in sandwich laminates. *Composites Science and Technology*, **1999**, 59, 2079-2085	8.6	79
43	The Static and Dynamic Response of CFRP-Strengthened Concrete Structures. *Journal of Materials Science Letters*, **1999**, 18, 309-310		17

42	A Simple Catapult System for Studying the Small Projectile Impact Resistance of Various Glass Laminates. *Journal of Testing and Evaluation*, **1999**, 27, 177	1	4
41	THE DAMAGE THRESHOLD OF LAMINATED GLASS STRUCTURES. *International Journal of Impact Engineering*, **1998**, 21, 737-746	4	39
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