Anthony J Kinloch

List of Publications by Year
in descending order

256	19,948	8755 75	12272 133
papers	citations	h-index	g-index

264	264	264	10977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toughening mechanisms of nanoparticle-modified epoxy polymers. Polymer, 2007, 48, 530-541.	3.8	815
2	Deformation and fracture behaviour of a rubber-toughened epoxy: 1. Microstructure and fracture studies. Polymer, 1983, 24, 1341-1354.	3.8	743
3	Peptidylarginine deiminase from Porphyromonas gingivalis citrullinates human fibrinogen and Î±â€enolase: Implications for autoimmunity in rheumatoid arthritis. Arthritis and Rheumatism, 2010, 62, 2662-2672.	6.7	547
4	The science of adhesion. Journal of Materials Science, 1980, 15, 2141-2166.	3.7	432
5	Autoimmunity to specific citrullinated proteins gives the first clues to the etiology of rheumatoid arthritis. Immunological Reviews, 2010, 233, 34-54.	6.0	407
6	The mechanisms and mechanics of the toughening of epoxy polymers modified with silica nanoparticles. Polymer, 2010, 51, 6284-6294.	3.8	386
7	The peeling of flexible laminates. International Journal of Fracture, 1994, 66, 45-70.	2.2	375
8	Antibodies to citrullinated Î±â€enolase peptide 1 are specific for rheumatoid arthritis and crossâ€react with bacterial enolase. Arthritis and Rheumatism, 2008, 58, 3009-3019.	6.7	348
9	The toughness of epoxy polymers and fibre composites modified with rubber microparticles and silica nanoparticles. Journal of Materials Science, 2010, 45, 1193-1210.	3.7	331
10	Deformation and fracture behaviour of a rubber-toughened epoxy: 2. Failure criteria. Polymer, 1983, 24, 1355-1363.	3.8	318
11	Identification of citrullinated alpha-enolase as a candidate autoantigen in rheumatoid arthritis. Arthritis Research and Therapy, 2005, 7, R1421.	3.5	304
12	Aligning multilayer graphene flakes with an external electric field to improve multifunctional properties of epoxy nanocomposites. Carbon, 2015, 94, 607-618.	10.3	288
13	Mechanics of adhesive failure. I. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1973, 332, 385-399.	1.4	284
14	The analysis of interlaminar fracture in uniaxial fibre-polymer composites. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1990, 427, 173-199.	1.4	275
15	The effect of silica nano particles and rubber particles on the toughness of multiphase thermosetting epoxy polymers. Journal of Materials Science, 2005, 40, 5083-5086.	3.7	263
16	Crack blunting mechanisms in polymers. Journal of Materials Science, 1980, 15, 987-996.	3.7	243
17	Novel Electrically Conductive Porous PDMS/Carbon Nanofiber Composites for Deformable Strain Sensors and Conductors. ACS Applied Materials & Interfaces, 2017, 9, 14207-14215.	8.0	239
18	Synovial fluid is a site of citrullination of autoantigens in inflammatory arthritis. Arthritis and Rheumatism, 2008, 58, 2287-2295.	6.7	236

#	Article	IF	Citations
19	Title is missing!. International Journal of Fracture, 2003, 119, 25-46.	2.2	233
20	A Critical Role for LTA ₄ H in Limiting Chronic Pulmonary Neutrophilic Inflammation. Science, 2010, 330, 90-94.	12.6	223
21	The effect of carbon nanotubes on the fracture toughness and fatigue performance of a thermosetting epoxy polymer. Journal of Materials Science, 2011, 46, 7525.	3.7	217
22	Environmental Failure of Structural Adhesive Joints. Journal of Adhesion, 1974, 6, 315-330.	3.0	215
23	The fracture of hybrid-particulate composites. Journal of Materials Science, 1985, 20, 4169-4184.	3.7	211
24	The Effects of Geometry, Rate and Temperature on the Mode I, Mode II and Mixed-Mode I/II Interlaminar Fracture of Carbon-Fibre/Poly(ether-ether ketone) Composites. Journal of Composite Materials, 1990, 24, 918-956.	2.4	207
25	Modelling of the toughening mechanisms in rubber-modified epoxy polymers. Journal of Materials Science, 1992, 27, 2763-2769.	3.7	198
26	Toughening structural adhesives via nano- and micro-phase inclusions. Journal of Adhesion, 2003, 79, 867-873.	3.0	198
27	Strain Sensors with Adjustable Sensitivity by Tailoring the Microstructure of Graphene Aerogel/PDMS Nanocomposites. ACS Applied Materials & Interfaces, 2016, 8, 24853-24861.	8.0	195
28	Corrections needed in double-cantilever beam tests for assessing the interlaminar failure of fibre-composites. Journal of Materials Science Letters, 1989, 8, 125-129.	0.5	194
29	Thermoplastic-toughened epoxy polymers. Journal of Materials Science, 1994, 29, 3781-3790.	3.7	193
30	Modelling of the toughening mechanisms in rubber-modified epoxy polymers. Journal of Materials Science, 1992, 27, 2753-2762.	3.7	189
31	The mechanical properties and toughening mechanisms of an epoxy polymer modified with polysiloxane-based core-shell particles. Polymer, 2013, 54, 4276-4289.	3.8	186
32	The tensile fatigue behaviour of a silica nanoparticle-modified glass fibre reinforced epoxy composite. Composites Science and Technology, 2010, 70, 193-199.	7.8	181
33	Surface analysis of polysiloxane/metal oxide interfaces. Journal of Materials Science, 1977, 12, 2511-2518.	3.7	180
34	Stress Analysis and Failure Properties of Carbon-Fibre-Reinforced-Plastic/Steel Double-Lap Joints. Journal of Adhesion, 1986, 20, 29-53.	3.0	178
35	The mixed-mode delamination of fibre composite materials. Composites Science and Technology, 1993, 47, 225-237.	7.8	173
36	Toughening Epoxy Adhesives to Meet Today's Challenges. MRS Bulletin, 2003, 28, 445-448.	3.5	170

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37	The science of adhesion. Journal of Materials Science, 1982, 17, 617-651.	3.7	168
38	The determination of the mode II adhesive fracture resistance, GIIC, of structural adhesive joints: an effective crack length approach. Engineering Fracture Mechanics, 2005, 72, 877-897.	4.3	165
39	Measuring the mode I adhesive fracture energy, GIC, of structural adhesive joints: the results of an international round-robin. International Journal of Adhesion and Adhesives, 2003, 23, 293-305.	2.9	156
40	The fracture and fatigue behaviour of nano-modified epoxy polymers. Journal of Materials Science, 2007, 42, 7049-7051.	3.7	156
41	The role of the interphase in the environmental failure of adhesive joints. Acta Materialia, 2000, 48, 4543-4553.	7.9	155
42	The mechanical properties and fracture behaviour of epoxy-inorganic micro- and nano-composites. Journal of Materials Science, 2006, 41, 3271-3297.	3.7	152
43	Predicting Progressive Delamination of Composite Material Specimens via Interface Elements. Mechanics of Advanced Materials and Structures, 1999, 6, 301-317.	2.6	144
44	Durability of asphalt mixtures: Effect of aggregate type and adhesion promoters. International Journal of Adhesion and Adhesives, 2014, 54, 100-111.	2.9	144
45	Interfacial Fracture Mechanical Aspects of Adhesive Bonded Jointsâ€”A Review. Journal of Adhesion, 1979, 10, 193-219.	3.0	142
46	Mechanics and mechanisms of delamination in a poly(ether sulphone)â€”Fibre composite. Composites Science and Technology, 1990, 37, 429-462.	7.8	138
47	Improving the toughness and electrical conductivity of epoxy nanocomposites by using aligned carbon nanofibres. Composites Science and Technology, 2015, 117, 146-158.	7.8	135
48	Relationship between mechanical properties of and crack progogation in epoxy resin adhesives. Polymer, 1978, 19, 574-582.	3.8	134
49	The failure of fibre composites and adhesively bonded fibre composites under high rates of test. Journal of Materials Science, 1995, 30, 5885-5900.	3.7	131
50	The calculation of adhesive fracture energies in mode I: revisiting the tapered double cantilever beam (TDCB) test. Engineering Fracture Mechanics, 2003, 70, 233-248.	4.3	126
51	Predicting the service-life of adhesively-bonded joints. International Journal of Fracture, 2000, 103, 41-69.	2.2	115
52	Toughness of syndiotactic polystyrene/epoxy polymer blends: microstructure and toughening mechanisms. Polymer, 2005, 46, 7352-7369.	3.8	114
53	The fracture behaviour of structural adhesives under high rates of testing. Engineering Fracture Mechanics, 2009, 76, 2868-2889.	4.3	114
54	Mechanics of adhesive failure. II. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1973, 332, 401-414.	1.4	113

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55	Adhesion of viscoelastic materials to rigid substrates. III. Energy criterion for failure. Journal of Polymer Science Part A-2 Polymer Physics, 1971, 9, 659-668.	0.8	112
56	The modelling of the toughening of epoxy polymers via silica nanoparticles: The effects of volume fraction and particle size. Polymer, 2013, 54, 7022-7032.	3.8	106
57	Immunization with Porphyromonas gingivalis enolase induces autoimmunity to mammalian Î±-enolase and arthritis in DR4-IE-transgenic mice. Arthritis and Rheumatism, 2011, 63, 3818-3823.	6.7	103
58	Mechanical and fracture properties of epoxy/inorganic micro- and nano-composites. Journal of Materials Science Letters, 2003, 22, 1439-1441.	0.5	102
59	Predicting the Fatigue Life of Adhesively-Bonded Joints. Journal of Adhesion, 1993, 43, 79-90.	3.0	100
60	A Model for Predicting Joint Durability. Journal of Adhesion, 1980, 11, 3-15.	3.0	99
61	Cohesive zone models and the plastically deforming peel test. Journal of Adhesion, 2003, 79, 239-265.	3.0	99
62	The fracture of glass-fibre-reinforced epoxy composites using nanoparticle-modified matrices. Journal of Materials Science, 2008, 43, 1151-1154.	3.7	98
63	The calculation of adhesive fracture energies from double-cantilever beam test specimens. Journal of Materials Science Letters, 1991, 10, 253-256.	0.5	94
64	Title is missing!. Journal of Materials Science, 2002, 37, 433-460.	3.7	94
65	The Morphology and Fracture Properties of Thermoplastic-Toughened Epoxy Polymers. Journal of Adhesion, 2010, 86, 726-741.	3.0	91
66	Round-robin interlaminar fracture testing of carbon-fibre-reinforced epoxy and PEEK composites. Composites Science and Technology, 1992, 43, 129-136.	7.8	90
67	The Fatigue and Durability Behaviour of Automotive Adhesives. Part I: Fracture Mechanics Tests. Journal of Adhesion, 1997, 61, 71-95.	3.0	89
68	Epoxy nanocomposites containing magnetite-carbon nanofibers aligned using a weak magnetic field. Polymer, 2015, 68, 25-34.	3.8	89
69	The toughness of epoxy polymers containing microvoids. Polymer, 1992, 33, 1330-1332.	3.8	87
70	The interlaminar toughness of carbon-fibre reinforced plastic composites using â€˜hybrid-toughenedâ€™ matrices. Journal of Materials Science, 2006, 41, 5043-5046.	3.7	85
71	Adhesives in engineering. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 1997, 211, 307-335.	1.3	82
72	Vimentin Is a Dominant Target of In Situ Humoral Immunity in Human Lupus Tubulointerstitial Nephritis. Arthritis and Rheumatology, 2014, 66, 3359-3370.	5.6	82

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73	The role of plastic void growth in the fracture of rubber-toughened epoxy polymers. Journal of Materials Science Letters, 1992, 11, 484-487.	0.5	81
74	Multi-scale toughening of fibre composites using carbon nanofibres and z-pins. Composites Science and Technology, 2016, 131, 98-109.	7.8	81
75	Multifunctional properties of epoxy nanocomposites reinforced by aligned nanoscale carbon. Materials and Design, 2016, 94, 554-564.	7.0	80
76	Modelling the fracture behaviour of adhesively-bonded joints as a function of test rate. Engineering Fracture Mechanics, 2011, 78, 973-989.	4.3	76
77	Hybrid particulate-filled epoxy-polymers. Journal of Materials Science Letters, 1984, 3, 9-12.	0.5	75
78	In situ thermally reduced graphene oxide/epoxy composites: thermal and mechanical properties. Applied Nanoscience (Switzerland), 2016, 6, 1015-1022.	3.1	75
79	The fracture behaviour of adhesively-bonded composite joints: Effects of rate of test and mode of loading. International Journal of Solids and Structures, 2012, 49, 1434-1452.	2.7	73
80	Adhesively-bonded repairs to fibre-composite materials I. Experimental. Composites Part A: Applied Science and Manufacturing, 1998, 29, 1371-1381.	7.6	72
81	The effect of humidity on the durability of aluminium-epoxide joints. International Journal of Adhesion and Adhesives, 1990, 10, 247-253.	2.9	71
82	The impact wedge-peel performance of structural adhesives. Journal of Materials Science, 2000, 35, 1867-1884.	3.7	71
83	The prediction of crack growth in bonded joints under cyclic-fatigue loading I. Experimental studies. International Journal of Adhesion and Adhesives, 2003, 23, 449-461.	2.9	70
84	The failure of fibre composites and adhesively bonded fibre composites under high rates of test. Journal of Materials Science, 1996, 31, 4467-4477.	3.7	69
85	Use of auger and x-ray photoelectron spectroscopy to study the locus of failure of structural adhesive joints. Journal of Applied Polymer Science, 1977, 21, 2375-2392.	2.6	67
86	A convenient way to represent fatigue crack growth in structural adhesives. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 379-391.	3.4	66
87	Surface pretreatment and adhesion of thermoplastic fibre-composites. Journal of Materials Science Letters, 1988, 7, 625-627.	0.5	65
88	Modelling the properties of rubber-modified epoxy polymers. Journal of Materials Science, 1995, 30, 1689-1697.	3.7	65
89	The effect of silica nanoparticles and carbon nanotubes on the toughness of a thermosetting epoxy polymer. Journal of Applied Polymer Science, 2011, 119, 2135-2142.	2.6	65
90	Micromechanisms of crack propagation in hybrid-particulate composites. Journal of Materials Science Letters, 1985, 4, 1276-1279.	0.5	64

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91	A facile way to produce epoxy nanocomposites having excellent thermal conductivity with low contents of reduced graphene oxide. Journal of Materials Science, 2017, 52, 7323-7344.	3.7	63
92	A numerical analysis of the elastic-plastic peel test. Engineering Fracture Mechanics, 2006, 73, 2324-2335.	4.3	61
93	The Tensile Fatigue Behavior of a Glass-fiber Reinforced Plastic Composite Using a Hybrid-toughened Epoxy Matrix. Journal of Composite Materials, 2010, 44, 2095-2109.	2.4	60
94	Effect of volume fraction of dispersed rubbery phase on the toughness of rubber-toughened epoxy polymers. Journal of Materials Science Letters, 1987, 6, 137-139.	0.5	58
95	Micromechanics of Fracture in Structural Adhesive Bonds. Journal of Adhesion, 1989, 28, 103-114.	3.0	57
96	The failure of fibre composites and adhesively bonded fibre composites under high rates of test. Journal of Materials Science, 1996, 31, 4451-4466.	3.7	57
97	Improving the fracture toughness and the cyclic-fatigue resistance of epoxy-polymer blends. Polymer, 2014, 55, 6325-6334.	3.8	57
98	Multi-scale toughening of epoxy composites via electric field alignment of carbon nanofibres and short carbon fibres. Composites Science and Technology, 2018, 167, 115-125.	7.8	56
99	The plasma treatment of thermoplastic fibre composites for adhesive bonding. Composites, 1994, 25, 332-341.	0.7	55
100	The effect of rubber micro-particles and silica nano-particles on the tensile fatigue behaviour of a glass-fibre epoxy composite. Journal of Materials Science, 2009, 44, 342-345.	3.7	55
101	Enhancing fatigue resistance and damage characterisation in adhesively-bonded composite joints by carbon nanofibres. Composites Science and Technology, 2017, 149, 116-126.	7.8	55
102	Aligning carbon nanofibres in glass-fibre/epoxy composites to improve interlaminar toughness and crack-detection capability. Composites Science and Technology, 2017, 152, 46-56.	7.8	54
103	A fracture mechanics study of the influence of moisture on the fatigue behaviour of adhesively bonded aluminium-alloy joints. International Journal of Adhesion and Adhesives, 1996, 16, 113-119.	2.9	53
104	Adhesively-bonded repairs to fibre-composite materials II. Finite element modelling. Composites Part A: Applied Science and Manufacturing, 1998, 29, 1383-1396.	7.6	53
105	Mode I fracture in adhesively-bonded joints: A mesh-size independent modelling approach using cohesive elements. Engineering Fracture Mechanics, 2014, 115, 73-95.	4.3	53
106	Measuring and predicting the durability of bonded carbon fibre/epoxy composite joints. Composites, 1991, 22, 121-127.	0.7	51
107	A three-dimensional elastic-plastic damage model for predicting the impact behaviour of fibre-reinforced polymer-matrix composites. Composites Part B: Engineering, 2020, 201, 108389.	12.0	51
108	The cyclic-fatigue behaviour of an epoxy polymer modified with micron-rubber and nano-silica particles. Journal of Materials Science, 2009, 44, 4487-4490.	3.7	50

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109	The influence of bond line thickness and peel arm thickness on adhesive fracture toughness of rubber toughened epoxyâ€“aluminium alloy laminates. International Journal of Adhesion and Adhesives, 2008, 28, 199-210.	2.9	49
110	Citrullination of autoantigens: Upstream of TNFÎ± in the pathogenesis of rheumatoid arthritis. FEBS Letters, 2011, 585, 3681-3688.	2.8	49
111	Mechanisms of Toughening Thermoset Resins. Advances in Chemistry Series, 1993, , 1-35.	0.6	45
112	The effects of surface pretreatment on the cyclic-fatigue characteristics of bonded aluminium-alloy joints. International Journal of Adhesion and Adhesives, 2006, 26, 50-61.	2.9	45
113	Mechanics of crack growth in epoxide resins. Polymer Engineering and Science, 1979, 19, 82-88.	3.1	44
114	Numerical analysis of the energy contributions in peel tests: A steady-state multilevel finite element approach. International Journal of Adhesion and Adhesives, 2008, 28, 222-236.	2.9	44
115	Particle cavitation in rubber toughened epoxies: the role of particle size. Journal of Materials Science, 2010, 45, 3882-3894.	3.7	44
116	The behaviour of thermoplastic and thermoset carbon fibre composites subjected to low-velocity and high-velocity impact. Journal of Materials Science, 2020, 55, 15741-15768.	3.7	44
117	The Fatigue and Durability Behaviour of Automotive Adhesives. Part III: Predicting the Service Life. Journal of Adhesion, 1998, 66, 39-59.	3.0	43
118	The Correlation of Non-Destructive Measurements and Toughness Changes in Adhesive Joints during Environmental Attack. Journal of Adhesion, 2001, 77, 125-161.	3.0	43
119	Enhanced fatigue behavior of a glass fiber reinforced hybrid particles modified epoxy nanocomposite under WISPERX spectrum load sequence. International Journal of Fatigue, 2013, 54, 25-31.	5.7	43
120	Impact properties of epoxy polymers. Journal of Materials Science, 1987, 22, 4111-4120.	3.7	42
121	A novel route for tethering graphene with iron oxide and its magnetic field alignment in polymer nanocomposites. Polymer, 2016, 97, 273-284.	3.8	42
122	Failure criterion for the fracture of structural adhesive joints. Polymer, 1976, 17, 727-731.	3.8	41
123	The deformation of hybrid-particulate composites. Journal of Materials Science, 1986, 21, 380-388.	3.7	41
124	The prediction of crack growth in bonded joints under cyclic-fatigue loading II. Analytical and finite element studies. International Journal of Adhesion and Adhesives, 2003, 23, 463-471.	2.9	41
125	High-velocity impact deformation and perforation of fibre metal laminates. Journal of Materials Science, 2018, 53, 4209-4228.	3.7	41
126	Surface Analysis and Bonding of Aluminium-Magnesium Alloys. Journal of Adhesion, 1982, 14, 105-118.	3.0	40

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127	A mechanism for ductile crack growth in epoxy polymers. Journal of Materials Science, 1986, 21, 1051-1056.	3.7	39
128	The sequence of initiation of the toughening micromechanisms in rubber-modified epoxy polymers. Polymer, 1992, 33, 5338-5340.	3.8	38
129	Self-assembling monolayer silane films as adhesion promoters. Polymer, 1992, 33, 1162-1170.	3.8	38
130	Co-continuous polymer systems: A numerical investigation. Computational Materials Science, 2015, 98, 24-33.	3.0	38
131	A self-toughening mechanism in epoxide resins. Journal of Materials Science, 1979, 14, 1769-1772.	3.7	37
132	Crack growth in structural adhesive joints in aqueous environments. Journal of Materials Science, 2007, 42, 6353-6370.	3.7	37
133	Modelling the interfacial peeling of pressure-sensitive adhesives. Journal of Non-Newtonian Fluid Mechanics, 2015, 222, 141-150.	2.4	37
134	Fracture and fatigue behaviour of epoxy nanocomposites containing 1-D and 2-D nanoscale carbon fillers. Engineering Fracture Mechanics, 2018, 203, 102-114.	4.3	37
135	Mechanical performance of carbon-fibre- and glass-fibre-reinforced epoxy I-beams: I. Mechanical behaviour. Composites Science and Technology, 1996, 56, 37-53.	7.8	36
136	Fracture behaviour of adhesively-bonded composite materials under impact loading. International Journal of Precision Engineering and Manufacturing, 2010, 11, 89-95.	2.2	36
137	The electric field alignment of short carbon fibres to enhance the toughness of epoxy composites. Composites Part A: Applied Science and Manufacturing, 2018, 106, 11-23.	7.6	36
138	Quasi-static bending and low velocity impact performance of monolithic and laminated glass windows employing chemically strengthened glass. European Journal of Mechanics, A/Solids, 2017, 63, 165-186.	3.7	36
139	The Tensile Fatigue Behavior of a GFRP Composite with Rubber Particle Modified Epoxy Matrix. Journal of Reinforced Plastics and Composites, 2010, 29, 2170-2183.	3.1	35
140	Bonding and Failure Mechanisms in Aluminium Alloy Adhesive Joints. Journal of Adhesion, 1981, 12, 23-35.	3.0	34
141	Inelastic electron tunnelling spectroscopy of silane coupling agents. Surface and Interface Analysis, 1984, 6, 40-45.	1.8	34
142	The Adhesive Bonding of Thermoplastic Cornposites. Journal of Adhesion, 1987, 21, 291-302.	3.0	34
143	A multiscale parametric study of mode I fracture in metal-to-metal low-toughness adhesive joints. International Journal of Fracture, 2012, 173, 105-133.	2.2	34
144	The Fatigue and Durability Behaviour of Automotive Adhesives. Part II: Failure Mechanisms. Journal of Adhesion, 1998, 66, 1-37.	3.0	33

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145	The toughening of cyanate-ester polymers: Part II Chemical modification. Journal of Materials Science, 2003, 38, 65-79.	3.7	32
146	The Effects of Pre-Bond Moisture on the Fracture Behaviour of Adhesively-Bonded Composite Joints. Journal of Adhesion, 2008, 84, 256-276.	3.0	32
147	The development of a novel test method to assess the durability of asphalt roadâ€“pavement materials. International Journal of Adhesion and Adhesives, 2013, 42, 1-10.	2.9	32
148	Fracture at bimaterial interfaces: the role of residual stresses. Journal of Materials Science, 1991, 26, 6260-6270.	3.7	31
149	The adhesion of thermoplastic fibre composites. Philosophical Transactions of the Royal Society: Physical and Engineering Sciences, 1992, 338, 83-112.	1.0	31
150	A maximum stress at a distance criterion for the prediction of crack propagation in adhesively-bonded joints. Engineering Fracture Mechanics, 2013, 97, 105-135.	4.3	31
151	Effect of Relative Humidity on the Wettability of Steel Surfaces. Journal of Adhesion, 1977, 9, 81-85.	3.0	30
152	Use of the â€˜inverted-blisterâ€™ test to study the adhesion of photopolymers. International Journal of Adhesion and Adhesives, 1990, 10, 69-76.	2.9	30
153	Mixed mode partitioning of beam-like geometries: A damage dependent solution. Engineering Fracture Mechanics, 2015, 149, 351-367.	4.3	29
154	The Locus of Environmental Crack Growth in Bonded Aluminium Alloy Joints. Journal of Adhesion, 1984, 16, 165-177.	3.0	28
155	Relationships between the surface free energies and surface chemical compositions of thermoplastic fibre composites and adhesive joint strengths. Journal of Materials Science Letters, 1991, 10, 815-818.	0.5	28
156	The Adhesive Fracture Energy of Bonded Thermoplastic Fibre-Composites. Journal of Adhesion, 1989, 29, 193-218.	3.0	27
157	The Impact Performance of Woven-Fabric Thermoplastic and Thermoset Composites Subjected to High-Velocity Soft- and Hard-Impact Loading. Applied Composite Materials, 2019, 26, 1389-1410.	2.5	27
158	Crack growth in epoxide resin adhesives. Journal of Materials Science, 1975, 10, 1261-1263.	3.7	26
159	The Impact Resistance of Structural Adhesive Joints. Journal of Adhesion, 1987, 24, 109-126.	3.0	26
160	CRACK GROWTH OF STRUCTURAL ADHESIVE JOINTS IN HUMID ENVIRONMENTS. Journal of Adhesion, 2004, 80, 169-201.	3.0	26
161	Immune complex formation and in situ B-cell clonal expansion in human cerebral cavernous malformations. Journal of Neuroimmunology, 2014, 272, 67-75.	2.3	26
162	Effects of the core density on the quasi-static flexural and ballistic performance of fibre-composite skin/foam-core sandwich structures. Journal of Materials Science, 2018, 53, 16393-16414.	3.7	26

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163	Effects of Impactor Geometry on the Low-Velocity Impact Behaviour of Fibre-Reinforced Composites: An Experimental and Theoretical Investigation. Applied Composite Materials, 2020, 27, 533-553.	2.5	26
164	Mechanical performance of carbon-fibre and glass-fibre-reinforced epoxy I-beams: II. Fractographic failure observations. Composites Science and Technology, 1996, 56, 1031-1045.	7.8	25
165	Anomalous behaviour of leaky surface waves for stiffening layer near cutoff. Journal of Applied Physics, 1997, 82, 1031-1035.	2.5	25
166	Determination of density and elastic constants of a thin phosphoric acid-anodized oxide film by acoustic microscopy. Journal of the Acoustical Society of America, 1999, 106, 2560-2567.	1.1	25
167	Strengthening and toughening epoxy polymer at cryogenic temperature using cupric oxide nanorods. Composites Science and Technology, 2021, 208, 108762.	7.8	25
168	The Strength of Composite Repair Patches: A Laminate Analysis Approach. Journal of Reinforced Plastics and Composites, 1992, 11, 729-742.	3.1	24
169	Tough, natural-fibre composites based upon epoxy matrices. Journal of Materials Science, 2015, 50, 6947-6960.	3.7	24
170	Increasing the fatigue resistance of epoxy nanocomposites by aligning graphene nanoplatelets. International Journal of Fatigue, 2018, 113, 88-97.	5.7	24
171	On the extent of fracture toughness transfer from 1D/2D nanomodified epoxy matrices to glass fibre composites. Journal of Materials Science, 2020, 55, 4717-4733.	3.7	24
172	Improving the delamination resistance and impact damage tolerance of carbon fibre-epoxy composites using multi-scale fibre toughening. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106624.	7.6	24
173	The effect of the substrate material on the value of the adhesive fracture energy, G c. Journal of Materials Science Letters, 1997, 16, 1450-1453.	0.5	23
174	Improved variable-amplitude fatigue behavior of a glass-fiber-reinforced hybrid-toughened epoxy composite. Journal of Reinforced Plastics and Composites, 2011, 30, 1783-1793.	3.1	23
175	The Use of Time-Temperature Superpositioning in Studying the Fracture Properties of Rubber-Toughened Epoxy Polymers. Journal of Adhesion, 1993, 41, 5-22.	3.0	22
176	Predictive modelling of the mechanical properties of rubber-toughened epoxy. Journal of Materials Science Letters, 1994, 13, 629-632.	0.5	22
177	Predictive Modeling of the Properties and Toughness of Rubber-Toughened Epoxies. Advances in Chemistry Series, 1996, , 1-25.	0.6	22
178	Effect of volume fraction of dispersed rubbery phase on the toughness of rubber-toughened epoxy polymers. Journal of Materials Science Letters, 1986, 5, 1207-1209.	0.5	21
179	Examining the effect of graphene nanoplatelets on the corrosion resistance of epoxy coatings. International Journal of Adhesion and Adhesives, 2021, 104, 102723.	2.9	21
180	Characterization of the structure of Langmuir-Blodgett films of 22-tricosenoic acid using x-ray photoelectron spectroscopy. Langmuir, 1990, 6, 529-535.	3.5	20

#	Article	IF	Citations
181	Comparison of normal and oblique incidence ultrasonic measurements for the detection of environmental degradation of adhesive joints. NDT and E International, 2002, 35, 241-253.	3.7	19
182	Novel Self-Assembling Silane for Abhesive and Adhesive Applications. Journal of Adhesion, 2006, 82, 1117-1132.	3.0	19
183	The behaviour of fibre-reinforced composites subjected to a soft impact-loading: An experimental and numerical study. Engineering Failure Analysis, 2020, 111, 104448.	4.0	19
184	The Computational Molecular Modelling of Organosilane Primers. Journal of Adhesion, 1998, 66, 203-228.	3.0	18
185	Comments on mixed-mode fracture in adhesive joints. International Journal of Fracture, 1996, 75, 157-162.	2.2	17
186	A critical investigation of the use of a mandrel peel method for the determination of adhesive fracture toughness of metal-polymer laminates. Engineering Fracture Mechanics, 2006, 73, 2304-2323.	4.3	17
187	Pathogenic role of antibodies to citrullinated proteins in rheumatoid arthritis. Expert Review of Clinical Immunology, 2006, 2, 365-375.	3.0	17
188	The Role of the Surface Pretreatment in the Durability of Aluminium-Alloy Structural Adhesive Joints: Mechanisms of Failure. Journal of Adhesion, 2013, 89, 369-397.	3.0	17
189	Requirements and Variability Affecting the Durability of Bonded Joints. Materials, 2020, 13, 1468.	2.9	17
190	Propellant Failure: A Fracture-Mechanics Approach. Journal of Spacecraft and Rockets, 1981, 18, 333-337.	1.9	15
191	Title is missing!. Journal of Materials Science Letters, 2001, 20, 265-267.	0.5	15
192	The mechanical performance of repaired stiffened panels. Part I. Experimental characterisation. Composites Part B: Engineering, 2002, 33, 343-354.	12.0	15
193	From matrix nano- and micro-phase toughenners to composite macro-properties. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150275.	3.4	15
194	Liquid metal synthesis of two-dimensional aluminium oxide platelets to reinforce epoxy composites. Composites Science and Technology, 2019, 181, 107708.	7.8	15
195	Non-destructive testing of bonded joints. Non-destructive Testing, 1974, 7, 324-326.	0.0	13
196	The mechanical behaviour of polyimide-copper laminates. Journal of Materials Science, 1989, 24, 2183-2190.	3.7	13
197	Characterisation of fusion bonding between filaments of thin 3D printed polyamide 6 using an essential work of fracture method. Journal of Materials Science, 2021, 56, 2777-2794.	3.7	13
198	3D printed carbon-fibre reinforced composite lattice structures with good thermal-dimensional stability. Composites Science and Technology, 2022, 227, 109599.	7.8	13

#	Article	IF	Citations
199	A Unique Failure Criterion for Characterizing the Fracture of Propellants. Propellants, Explosives, Pyrotechnics, 1979, 4, 73-77.	1.6	12
200	The bonded repair of fibre composites: Effect com of composite moisture content. Composites Science and Technology, 1994, 52, 235-246.	7.8	12
201	A new test method for determining the adhesive fracture energy when bonding thin or coated substrates. Journal of Materials Science Letters, 1995, 14, 155-157.	0.5	12
202	The mechanical performance of repaired stiffened panels. Part II. Finite element modelling. Composites Part B: Engineering, 2002, 33, 355-366.	12.0	12
203	A study of the impact properties of adhesively-bonded aluminum alloy based on impact velocity. Journal of Mechanical Science and Technology, 2015, 29, 493-499.	1.5	12
204	Computing the growth of naturally-occurring disbonds in adhesively-bonded patches to metallic structures. Engineering Fracture Mechanics, 2016, 152, 162-173.	4.3	12
205	Elastomeric adhesives: Effect of cross link density on joint strength. Journal of Polymer Science Part A-2 Polymer Physics, 1973, 11, 269-273.	0.8	11
206	The Mechanical Behaviour of Polyimide/Copper Laminates Part 2: Peel Energy Measurements. Journal of Adhesion, 1989, 30, 151-170.	3.0	11
207	The Fracture Behaviour of a Rubber-Modified Epoxy Under Impact Fatigue. Journal of Adhesion, 1990, 32, 245-254.	3.0	11
208	On the Calculation of Dispersion and Polar Force Components of the Surface Free Energy. Journal of Adhesion, 1991, 34, 41-44.	3.0	11
209	Quantitative acoustic microscopy of anodized and coated aluminium at frequencies up to 1 GHz. Journal of Materials Science, 1995, 30, 3752-3760.	3.7	11
210	The Effect of the Silane Deposition Conditions on the Durability of Aluminium Joints Pretreated using 3-Aminopropyltrimethoxysilane. Journal of Adhesion, 1991, 34, 175-187.	3.0	10
211	The use of the â€œinverted-blister testâ€•to measure the adhesion of an electrocoated paint layer adhering to a steel substrate. Journal of Materials Science Letters, 1993, 12, 875-877.	0.5	10
212	Inelastic Electron Tunneling Spectroscopy of Some Aminosilane Coupling Agents. Journal of Adhesion, 1989, 28, 171-190.	3.0	9
213	Examination of the interaction of 3-glycidoxypropyltrimethoxysilane with aluminium oxide by inelastic electron tunnelling spectroscopy. International Journal of Adhesion and Adhesives, 1989, 9, 201-204.	2.9	9
214	The fracture of a rubber-modified epoxy polymer containing through-thickness and surface cracks. International Journal of Adhesion and Adhesives, 1989, 9, 69-76.	2.9	9
215	The interlaminar failure behaviour of carbon fibre/polyetheretherketone composites. Composites, 1994, 25, 189-196.	0.7	9
216	Modelling the Fracture Behaviour of Adhesive Joints. Journal of Adhesion, 1996, 59, 217-224.	3.0	9

#	Article	IF	Citations
217	Comments on â€œDetermining the Toughness of Plastically Deforming Jointsâ€• Journal of Materials Science Letters, 1998, 17, 813-814.	0.5	9
218	Mechanical performance of carbon-fibre- and glass-fibre-reinforced epoxy I-beams: III. fatigue performance. Composites Science and Technology, 1999, 59, 179-200.	7.8	9
219	The prediction of fatigue damage growth in impact-damaged composite skin/stringer structures. Part I: theoretical modelling studies. Composites Science and Technology, 2003, 63, 1463-1472.	7.8	9
220	High-strain-rate fracture of adhesively bonded composite joints in DCB and TDCB specimens. International Journal of Automotive Technology, 2012, 13, 1127-1131.	1.4	9
221	Experimental and numerical studies on the behaviour of fibre-reinforced composites subjected to soft impact loading. Procedia Structural Integrity, 2019, 17, 992-1001.	0.8	9
222	Modelling the quasi-static flexural behaviour of composite sandwich structures with uniform- and graded-density foam cores. Engineering Fracture Mechanics, 2022, 259, 108121.	4.3	9
223	The effectiveness of patch repairs to restore the impact properties of carbon-fibre reinforced-plastic composites. Engineering Fracture Mechanics, 2022, 270, 108570.	4.3	9
224	The Phonology of Central/Prairie Canadian English. American Speech, 1983, 58, 31.	0.7	8
225	Modelling the fatigue life of polymerâ€“matrix fibre-composite components. Composites Science and Technology, 2001, 61, 2273-2283.	7.8	8
226	Fatigue crack growth in epoxy polymer nanocomposites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200436.	3.4	8
227	An examination of the interaction of silanes containing carbonî—¸carbon double bonds with aluminium oxide by inelastic electron tunnelling spectroscopy. International Journal of Adhesion and Adhesives, 1990, 10, 13-18.	2.9	7
228	Investigation of the Interaction of Silane-based Adhesive Primers with Metal Oxide Surfaces Using Molecular Dynamics Simulations. Journal of Adhesion, 1995, 54, 23-31.	3.0	7
229	Toughness of syndiotactic polystyrene (sPS)/epoxy blends. Journal of Materials Science Letters, 2003, 22, 507-512.	0.5	7
230	Using Carbon Nanofibre Sensors for In-situ Detection and Monitoring of Disbonds in Bonded Composite Joints. Procedia Engineering, 2017, 188, 362-368.	1.2	7
231	Experimental investigations on the effects of projectile hardness on the impact response of fibre-reinforced composite laminates. International Journal of Lightweight Materials and Manufacture, 2020, 3, 77-87.	2.1	7
232	Cantonese Speakers and the Acquisition of French Consonants. Language Learning, 1993, 43, 43-68.	2.7	6
233	Impact behaviour of structural adhesive joints. Journal of Materials Science Letters, 1987, 6, 653-655.	0.5	5
234	Interfacial interactions of octadecyltrichlorosilane adsorbed onto aluminium substrates. Surface and Interface Analysis, 1991, 17, 120-121.	1.8	5

#	Article	IF	Citations
235	Failure mechanisms in adhesively bonded aluminium: an XPS and PEELS study. Surface and Interface Analysis, 2008, 40, 128-131.	1.8	5
236	Ultra-tough and fatigue resistant. Adhesion Adhesives and Sealants, 2009, 6, 8-11.	0.1	5
237	A way forward for industry to determine valid cyclic-fatigue relationships for polymer-matrix fibre composites. Procedia Structural Integrity, 2020, 28, 26-38.	0.8	5
238	Cantonese Speakers and the Acquisition of French Consonants. Language Learning, 1999, 49, 95-121.	2.7	4
239	A means for industry to determine the economic life of bonded joints under representative operation flight loads. Procedia Structural Integrity, 2020, 28, 370-380.	0.8	4
240	The Design of Double-Overlap Joints Using Thermoplastic-Fibre Composites. Journal of Adhesion, 1992, 37, 33-45.	3.0	3
241	Further comments on â€œDetermining the toughness of plastically deforming jointsâ€• Journal of Materials Science Letters, 1999, 18, 2049-2049.	0.5	3
242	The essential work of fracture method for the characterisation of fusion bonding in 3D printed short carbon-fibre reinforced polyamide 6 thin films. Composites Science and Technology, 2022, 230, 109361.	7.8	3
243	Subcritical interlaminar crack growth in fibre composites exhibiting a risingR-curve. Journal of Materials Science, 1995, 30, 2305-2312.	3.7	2
244	Title is missing!. Arthritis Research, 2005, 7, P20.	2.0	2
245	Comments on â€œFatigue Performance of Two Structural Adhesivesâ€•[J. Adhesion26, 273-291 (1988)]. Journal of Adhesion, 1989, 30, 83-84.	3.0	1
246	Subcritical interlaminar crack growth in continuous carbon fibre-poly(ether ether ketone) composites. Journal of Materials Science Letters, 1993, 12, 1815-1817.	0.5	1
247	Lupus tubulointerstitial and vascular disease. Pathology, 2014, 46, S40.	0.6	1
248	Thoughts on the durability and damage tolerance assessment of adhesively-bonded joints. Theoretical and Applied Fracture Mechanics, 2022, 119, 103319.	4.7	1
249	The Names of the Game: Baseball. American Speech, 1975, 50, 325.	0.7	0
250	Some Nondenominational-Christian Words. American Speech, 1979, 54, 68.	0.7	0
251	A First History of Canadian English. American Speech, 1980, 55, 119.	0.7	0
252	Bibliography as an Art. American Speech, 1980, 55, 214.	0.7	0

#	Article	IF	Citations
253	English in Newfoundland. American Speech, 1983, 58, 186.	0.7	0
254	Dictionary of Newfoundland English. Ed. by G. M. Story, W. J. Kirwin, and J. D. A. Widdowson. Toronto: University of Toronto Press, 1982 (repr. 1982, 1983). lxxviii + 625. Journal of English Linguistics, 1984, 17, 84-90.	0.7	0
255	Study on Impact Fractures of Adhesively Bonded Composite Joints. Advanced Materials Research, 2010, 123-125, 235-238.	0.3	0
256	Investigations on the impact behaviour of fibre-reinforced composites: effect of impact energy and impactor shape. Procedia Structural Integrity, 2020, 28, 106-115.	0.8	0