Rhys Jones

List of Publications by Year
in descending order

334 papers	6,698 citations	61984 43 h-index	114465 63 g-index
338 all docs	338 docs citations	338 times ranked	2471 citing authors

#	Article	IF	Citations
1	Observations on comparable aluminium alloy crack growth curves: Additively manufactured ScalmalloyÂ® as an alternative to AA5754 and AA6061-T6 alloys?. Additive Manufacturing Letters, 2022, 2, 100026.	2.1	12
2	On thermoelastic analysis of two collinear cracks subject to combined quadratic thermo-mechanical load. Applied Mathematics and Computation, 2022, 421, 126905.	2.2	2
3	Thoughts on the durability and damage tolerance assessment of adhesively-bonded joints. Theoretical and Applied Fracture Mechanics, 2022, 119, 103319.	4.7	1
4	Crack growth in conventionally manufactured pure nickel, titanium and aluminum and the cold spray additively manufactured equivalents. Additive Manufacturing Letters, 2022, 3, 100043.	2.1	6
5	Theoretical Assessment of Cracking in Orthotropic Material under Symmetrical Heat Flow/Mechanical Loading. Applied Mechanics, 2022, 3, 590-607.	1.5	0
6	Two collinear cracks under combined quadratic thermo-electro-elastic loading. Acta Mechanica, 2022, 233, 2439-2452.	2.1	3
7	A Numerical Study into the Effect of Machining on the Interaction between Surface Roughness and Surface Breaking Defects on the Durability of WAAM Ti-6Al-4V Parts. Metals, 2022, 12, 1121.	2.3	4
8	On the role of the interface on the damage tolerance and durability of cold spray repairs to AA7075-T7351 aluminium alloy wing skins. Applied Surface Science Advances, 2021, 3, 100044.	6.8	5
9	Thoughts on two approaches for accounting for the scatter in fatigue delamination growth curves. Composite Structures, 2021, 258, 113175.	5.8	6
10	Fracture Analysis for a Crack in Orthotropic Material Subjected to Combined 2i-Order Symmetrical Thermal Flux and 2j-Order Symmetrical Mechanical Loading. Applied Mechanics, 2021, 2, 127-146.	1.5	3
11	Modelling the Variability and the Anisotropic Behaviour of Crack Growth in SLM Ti-6Al-4V. Materials, 2021, 14, 1400.	2.9	20
12	Characterising crack growth in commercially pure titanium. Engineering Failure Analysis, 2021, 122, 105287.	4.0	4
13	Fatigue crack growth in epoxy polymer nanocomposites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200436.	3.4	8
14	Computing the Fatigue Life of Cold Spray Repairs to Simulated Corrosion Damage. Materials, 2021, 14, 4451.	2.9	9
15	Damage tolerance assessment of AM 304L and cold spray fabricated 316L steels and its implications for attritable aircraft. Engineering Fracture Mechanics, 2021, 254, 107916.	4.3	15
16	Distinct Advantages of Circumferential Notch Tensile (CNT) Testing in the Determination of a Threshold for Stress Corrosion Cracking (KISCC). Materials, 2021, 14, 5620.	2.9	2
17	Crack growth in adhesives: Similitude and the Hartman-Schijve equation. Composite Structures, 2021, 273, 114260.	5.8	15
18	Characterising crack growth in Scalmalloy. Procedia Structural Integrity, 2021, 34, 39-44.	0.8	1

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19	Describing crack growth in additively manufactured Scalmalloy. Additive Manufacturing Letters, 2021, 1, 100020.	2.1	5
20	Computing the Growth of Small Cracks in the Assist Round Robin Helicopter Challenge. Metals, 2020, 10, 944.	2.3	10
21	Combined effect of both surface finish and subâ€surface porosity on component strength under repeated load conditions. Engineering Reports, 2020, 2, e12248.	1.7	6
22	Experimental Studies into the Analysis Required for the Durability Assessment of 7075 and 6061 Cold Spray Repairs to Military Aircraft. Aerospace, 2020, 7, 119.	2.2	4
23	Further Studies into Crack Growth in Additively Manufactured Materials. Materials, 2020, 13, 2223.	2.9	28
24	The stress intensity factor calculation of cracked layered media subjected to unsymmetrical loading. Theoretical and Applied Fracture Mechanics, 2020, 109, 102658.	4.7	1
25	Review of Requirements for the Durability and Damage Tolerance Certification of Additively Manufactured Aircraft Structural Parts and AM Repairs. Materials, 2020, 13, 1341.	2.9	26
26	Requirements and Variability Affecting the Durability of Bonded Joints. Materials, 2020, 13, 1468.	2.9	17
27	Additive metal solutions to aircraft skin corrosion. Aeronautical Journal, 2020, 124, 872-887.	1.6	1
28	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
29	A note on computing the growth of small cracks in AM Ti-6Al-4V. Procedia Structural Integrity, 2020, 28, 364-369.	0.8	15
30	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
31	Synchrotron radiation microcomputed tomography for assessing internal cracks in cold spray repairs. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 431-432.	3.4	5
32	On the analysis of cracking under a combined quadratic thermal flux and a quadratic mechanical loading. Applied Mathematical Modelling, 2019, 68, 182-197.	4.2	10
33	Additively manufactured Ti-6Al-4V replacement parts for military aircraft. International Journal of Fatigue, 2019, 124, 227-235.	5.7	51
34	A computational study of the influence of surface roughness on material strength. Meccanica, 2018, 53, 2411-2436.	2.0	10
35	Rationale and Organisation. , 2018, , 1-15.		0
36	Practical Computational Fracture Mechanics for Aircraft Structural Integrity. , 2018, , 67-128.		4

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37	Crack Growth From Naturally Occurring Material Discontinuities. , 2018, , 129-189.		7
38	Analysis, Design and Assessment of Composite Repairs to Operational Aircraft. , 2018, , 325-462.		4
39	Repair of Multisite Damage in Civil Transport Aircraft: An Example of the Damage-Tolerant Design of Composite Repairs. , 2018, , 463-510.		2
40	The F111C Wing Pivot Fitting Repair and its Implications for the Design/Assessment of Bonded Joints and Composite Repairs. , 2018, , 511-543.		2
41	Computing the Growth of Naturally-Occurring Disbonds in Adhesively-Bonded Joints. , 2018, , 745-762.		1
42	Delamination Growth in Polymer-Matrix Fibre Composites and the Use of Fracture-Mechanics Data for Material Characterization and Life Prediction. , 2018, , 763-797.		0
43	Applications of SPD to Enhance the Structural Integrity of Corroded Airframes. , 2018, , 863-905.		6
44	Application of SPD to Enhance the Structural Integrity of Fuseage Skins and Centre Barells. , 2018, , 907-929.		3
45	Multiplicative Manufacturing and Aircraft Sustainment. , 2018, , 931-938.		0
46	Delamination fatigue growth in polymer-matrix fibre composites: A methodology for determining the design and lifing allowables. Composite Structures, 2018, 196, 8-20.	5.8	35
47	Life cycle analysis of steel railway bridges. Theoretical and Applied Fracture Mechanics, 2018, 97, 385-399.	4.7	11
48	On the analysis of bonded step lap joints. Theoretical and Applied Fracture Mechanics, 2018, 97, 457-466.	4.7	3
49	Crack growth: Does microstructure play a role?. Engineering Fracture Mechanics, 2018, 187, 190-210.	4.3	40
50	On the interaction between corrosion and fatigue which determines the remaining life of bridges. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 314-322.	3.4	7
51	Crack Growth in a Range of Additively Manufactured Aerospace Structural Materials. Aerospace, 2018, 5, 118.	2.2	43
52	Representing crack growth in additively manufactured Ti-6Al-4V. International Journal of Fatigue, 2018, 116, 610-622.	5.7	59
53	Understanding Fibre-Matrix Degradation of FRP Composites for Advanced Civil Engineering Applications: An Overview. Corrosion and Materials Degradation, 2018, 1, 27-41.	2.4	22
54	On the growth of cracks from etch pits and the scatter associated with them under a miniTWIST spectrum. International Journal of Fatigue, 2018, 109, 10-16.	5.7	16

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55	Fracture Strength Based Optimisation of Thin-Walled Structures using Modified ESO. , 2018, , 467-474.		0
56	Effect of corrosion and fatigue on the remaining life of structures and its implication to additive manufacturing. Frattura Ed Integrita Strutturale, 2018, 12, 33-44.	0.9	1
57	A study into the ability of SPD to restore the buckling strength and modes of rib stiffened panels with simulated stress corrosion cracks. International Journal of Structural Integrity, 2017, 8, 63-78.	3.3	4
58	Crack growth at fastener holes containing intergranular cracking. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1664-1675.	3.4	23
59	On the USAF â€˜risk of failureâ€™ approach and its applicability to composite repairs to metal airframes. Composite Structures, 2017, 167, 103-111.	5.8	7
60	The USAF characteristic K approach for cracks growing from small material discontinuities under combat aircraft and civil aircraft load spectra. Engineering Failure Analysis, 2017, 80, 39-48.	4.0	6
61	Using the lead crack concept and fractal geometry for fatigue lifing of metallic structural components. International Journal of Fatigue, 2017, 102, 214-220.	5.7	17
62	An engineering approach to the fracture assessment of hopper wagons. Engineering Fracture Mechanics, 2017, 179, 79-92.	4.3	2
63	Crack growth in a naturally corroded bridge steel. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1117-1127.	3.4	27
64	Examining the application of the Hartman-Schijve equation to the analysis of cyclic fatigue fracture of polymer-matrix composites. Theoretical and Applied Fracture Mechanics, 2017, 92, 420-425.	4.7	7
65	Delamination growth in polymer-matrix fibre composites and the use of fracture mechanics data for material characterisation and life prediction. Composite Structures, 2017, 180, 316-333.	5.8	66
66	A review of composite product data interoperability and product life-cycle management challenges in the composites industry. Advanced Manufacturing: Polymer and Composites Science, 2017, 3, 130-147.	0.4	7
67	Thoughts on the scatter seen in cyclic Mode I fatigue delamination growth in DCB tests. Composite Structures, 2017, 160, 1329-1338.	5.8	12
68	Influence of cyclic stress intensity threshold on the scatter seen in cyclic Mode I fatigue delamination growth in DCB tests. Composite Structures, 2017, 169, 138-143.	5.8	12
69	Composite repairs to bridge steels demystified. Composite Structures, 2017, 169, 180-189.	5.8	10
70	Thermoelastic Analysis for Two Collinear Cracks in an Orthotropic Solid Disturbed by Antisymmetrical Linear Heat Flow. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	5
71	Crack growth from naturally occurring material discontinuities under constant amplitude and operational loads. International Journal of Fatigue, 2016, 91, 434-444.	5.7	22
72	Modified Hartman-Schijve fitting of mode I delamination fatigue data and the resulting variation in threshold values Gthr. Procedia Structural Integrity, 2016, 2, 88-95.	0.8	6

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73	Fractals and the lead crack airframe lifing framework. Procedia Structural Integrity, 2016, 2, 3081-3089.	0.8	3
74	Discussion of the Stress Ratio Effect on the Fatigue Delamination Growth Characterization in FRP Composite Structures. Procedia Structural Integrity, 2016, 2, 66-71.	0.8	4
75	Modelling and predicting fatigue crack growth in structural adhesive joints. Procedia Structural Integrity, 2016, 2, 221-226.	0.8	3
76	Computing the growth of naturally-occurring disbonds in adhesively-bonded patches to metallic structures. Engineering Fracture Mechanics, 2016, 152, 162-173.	4.3	12
77	A stress versus crack growth rate investigation (aka stress â€“ cubed rule). International Journal of Fatigue, 2016, 87, 435-443.	5.7	20
78	A simple method for calculating the stress intensity factors for complex 3D cracks at a notch. Engineering Fracture Mechanics, 2016, 158, 81-86.	4.3	6
79	Cyclic-fatigue crack growth in composite and adhesively-bonded structures: The FAA slow crack growth approach to certification and the problem of similitude. International Journal of Fatigue, 2016, 88, 10-18.	5.7	75
80	The influence of cyclic stress intensity threshold on fatigue life scatter. International Journal of Fatigue, 2016, 82, 748-756.	5.7	44
81	A simple method based for computing crack shapes. Engineering Failure Analysis, 2016, 59, 41-56.	4.0	4
82	From NASGRO to fractals: Representing crack growth in metals. International Journal of Fatigue, 2016, 82, 540-549.	5.7	23
83	Crack Growth from Naturally Occurring Material Discontinuities in Operational Aircraft. Procedia Engineering, 2015, 101, 227-234.	1.2	13
84	On the Growth of Fatigue Cracks from Material and Manufacturing Discontinuities Under Variable Amplitude Loading. Jom, 2015, 67, 1385-1391.	1.9	20
85	Crack growth at fastener holes containing intergranular cracking. Engineering Fracture Mechanics, 2015, 137, 79-87.	4.3	4
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	A study into the interaction of intergranular cracking and cracking at a fastener hole. Meccanica, 2015, 50, 517-532.	2.0	16
88	Characteristics of the design surface of damage tolerance parameters and their relation to shape optimisation. International Journal of Fatigue, 2015, 70, 490-502.	5.7	8
89	The analysis of stress intensity factors in two interacting collinear asymmetric cracks in a finite plate. Theoretical and Applied Fracture Mechanics, 2015, 75, 53-58.	4.7	11
90	On the potential of supersonic particle deposition to repair simulated corrosion damage. Engineering Fracture Mechanics, 2015, 137, 26-33.	4.3	11

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91	Application of supersonic particle deposition to enhance the structural integrity of aircraft structures. Science China: Physics, Mechanics and Astronomy, 2014, 57, 12-18.	5.1	10
92	Fatigue crack growth and damage tolerance. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 463-483.	3.4	137
93	Mode I, II and Mixed Mode I/II delamination growth in composites. Composite Structures, 2014, 110, 317-324.	5.8	75
94	Supersonic particle deposition as a means for enhancing the structural integrity of aircraft structures. International Journal of Fatigue, 2014, 68, 260-268.	5.7	38
95	Implications of the lead crack philosophy and the role of short cracks in combat aircraft. Engineering Failure Analysis, 2013, 29, 149-166.	4.0	32
96	Calculating crack growth from small discontinuities in 7050-T7451 under combat aircraft spectra. International Journal of Fatigue, 2013, 55, 178-182.	5.7	54
97	Lock-in thermographic inspection of squats on rail steel head. Infrared Physics and Technology, 2013, 57, 89-95.	2.9	11
98	Tools and methods for addressing the durability of rolling stock. Engineering Failure Analysis, 2013, 34, 278-289.	4.0	13
99	An investigation of the influence of rail chill on crack growth in a railway wheel due to braking loads. Engineering Fracture Mechanics, 2013, 98, 1-14.	4.3	15
100	Fatigue crack growth in nano-composites. Composite Structures, 2013, 99, 375-379.	5.8	26
101	Modelling of the lock-in thermography process through finite element method for estimating the rail squat defects. Engineering Failure Analysis, 2013, 28, 275-288.	4.0	40
102	Finite Element Method Study on the Squats Growth Simulation. Applied Mathematics, 2013, 04, 29-38.	0.4	4
103	A study into crack growth in a railway wheel under thermal stop brake loading spectrum. Engineering Failure Analysis, 2012, 25, 280-290.	4.0	20
104	The development of combination mechanical contact and thermal braking loads for railway wheel fatigue analysis. Theoretical and Applied Fracture Mechanics, 2012, 60, 10-14.	4.7	12
105	Fatigue crack growth in a diverse range of materials. International Journal of Fatigue, 2012, 40, 43-50.	5.7	86
106	Application of the Hartmanâ€“Schijve equation to represent Mode I and Mode II fatigue delamination growth in composites. Composite Structures, 2012, 94, 1343-1351.	5.8	106
107	A study of the effect of CPCs on fatigue crack propagation in a representative fuselage lap joint specimen. Engineering Fracture Mechanics, 2012, 87, 1-15.	4.3	6
108	The tool for assessing the damage tolerance of railway wheel under service conditions. Theoretical and Applied Fracture Mechanics, 2012, 57, 1-13.	4.7	26

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109	Characterization of the durability of adhesive bonds. Fatigue and Fracture of Engineering Materials and Structures, 2012, 35, 998-1006.	3.4	11
110	Experimental studies into short crack growth. Engineering Failure Analysis, 2011, 18, 1711-1722.	4.0	16
111	Optimal topology design of industrial structures using an evolutionary algorithm. Optimization and Engineering, 2011, 12, 681-717.	2.4	12
112	On the use of supersonic particle deposition to restore the structural integrity of damaged aircraft structures. International Journal of Fatigue, 2011, 33, 1257-1267.	5.7	47
113	Observations on fatigue crack growth in a range of materials. Materials & Design, 2011, 32, 4362-4368.	5.1	13
114	Topology optimisation of a bulkhead component used in aircrafts using an evolutionary algorithm. Procedia Engineering, 2011, 10, 2867-2872.	1.2	9
115	Residual Strength Optimisation of a Vent Hole in an Aircraft Component Using a Heuristic Method. Advanced Materials Research, 2011, 275, 105-108.	0.3	0
116	Cracking in D6ac steel. Theoretical and Applied Fracture Mechanics, 2010, 53, 61-64.	4.7	11
117	Lock-in infrared thermography for the evaluation of the structural performance of corrugated paperboard structures. Composite Structures, 2010, 92, 2525-2531.	5.8	9
118	Application of infrared thermography to study crack growth and fatigue life extension procedures. Fatigue and Fracture of Engineering Materials and Structures, 2010, 33, 871-884.	3.4	35
119	Tools for Assessing the Damage Tolerance of Primary Structural Components. , 2009, , 29-45.		3
120	Designing cutouts for optimum residual strength in plane structural elements. International Journal of Fracture, 2009, 156, 129-153.	2.2	6
121	A CAD-based on biological method for designing optimal fatigue life. Structural and Multidisciplinary Optimization, 2009, 37, 295-304.	3.5	3
122	Damage tolerance based design optimisation of a fuel flow vent hole in an aircraft structure. Structural and Multidisciplinary Optimization, 2009, 38, 245-265.	3.5	11
123	Three-dimensional structural design optimisation based on fatigue implementing a genetic algorithm and a non-similitude crack growth law. Finite Elements in Analysis and Design, 2009, 45, 132-146.	3.2	11
124	Damage tolerance analysis of a helicopter component. International Journal of Fatigue, 2009, 31, 1046-1053.	5.7	16
125	Development of a 3D Biological method for fatigue life based optimisation and its application to structural shape design. International Journal of Fatigue, 2009, 31, 309-321.	5.7	9
126	Fatigue crack growth discrepancies with stress ratio. Theoretical and Applied Fracture Mechanics, 2009, 51, 1-10.	4.7	13

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127	Fatigue life enhancement of structures using shape optimisation. Theoretical and Applied Fracture Mechanics, 2009, 52, 165-179.	4.7	11
128	A scientific evaluation of the approximate 2D theories for composite repairs to cracked metallic components. Composite Structures, 2009, 87, 151-160.	5.8	13
129	Three-dimensional fatigue-based structural design optimisation of fuel flow vent holes. Engineering Failure Analysis, 2009, 16, 371-390.	4.0	5
130	Structural optimisation of 3D damage tolerant components comparing the biological and genetic algorithm solutions. Engineering Failure Analysis, 2009, 16, 713-727.	4.0	3
131	A fibre optic corrosion fuse sensor using stressed metal-coated optical fibres. Sensors and Actuators B: Chemical, 2008, 131, 602-608.	7.8	29
132	An approach based on biological algorithm for three-dimensional shape optimisation with fracture strength constrains. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 4383-4398.	6.6	11
133	The generalised Frostâ€“Dugdale approach to modelling fatigue crack growth. Engineering Failure Analysis, 2008, 15, 1130-1149.	4.0	28
134	Understanding crack growth in fuselage lap joints. Theoretical and Applied Fracture Mechanics, 2008, 49, 38-50.	4.7	37
135	Three-dimensional structure optimal design for extending fatigue life by using biological algorithm. Theoretical and Applied Fracture Mechanics, 2008, 49, 26-37.	4.7	4
136	Fatigue based three-dimensional structural design optimisation studies implementing the generalised Frostâ€“Dugdale crack growth law. Theoretical and Applied Fracture Mechanics, 2008, 50, 30-48.	4.7	3
137	An equivalent block method for computing fatigue crack growth. International Journal of Fatigue, 2008, 30, 1529-1542.	5.7	16
138	Similitude and the Paris crack growth law. International Journal of Fatigue, 2008, 30, 1873-1880.	5.7	51
139	Evaluation of spectrum fatigue crack growth using variable amplitude data. International Journal of Fatigue, 2008, 30, 119-137.	5.7	39
140	Some Practical Implications of Exponential Crack Growth. , 2008, , 65-84.		1
141	Intragrating strain sensing using a chirped FBG and an integration method. , 2007, , .		1
142	The effect of size on the quantitative estimation of defect depth in steel structures using lock-in thermography. Journal of Applied Physics, 2007, 101, 104907.	2.5	85
143	Determination of Material Constants for Crack Size-Dependence Crack Growth Model. Materials Science Forum, 2007, 561-565, 2189-2192.	0.3	0
144	Localized strain measurements using an integration method to process intensity reflection spectra from a chirped FBG. Proceedings of SPIE, 2007, , .	0.8	1

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145	Rail wheel removal and its implication on track life: A fracture mechanics approach. Theoretical and Applied Fracture Mechanics, 2007, 48, 21-31.	4.7	9
146	Similitude: Fatigue cracking in steels. Theoretical and Applied Fracture Mechanics, 2007, 48, 161-168.	4.7	28
147	Damage tolerance based shape design of a stringer cutout using evolutionary structural optimisation. Engineering Failure Analysis, 2007, 14, 118-137.	4.0	9
148	Crack growth of physically small cracks. International Journal of Fatigue, 2007, 29, 1658-1667.	5.7	68
149	Strain-independent temperature measurements using a standard and a Chirped fibre Bragg Grating. , 2006, , .		2
150	Directional dependence of spectra of fiber Bragg gratings due to excess loss. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 2906.	1.5	10
151	NDTE using pulse thermography: Numerical modeling of composite subsurface defects. Composite Structures, 2006, 75, 241-249.	5.8	54
152	Low-velocity impacts on preloaded GFRP specimens with various impactor shapes. Composite Structures, 2006, 76, 209-217.	5.8	109
153	Crack patching revisited. Composite Structures, 2006, 76, 218-223.	5.8	14
154	Recent developments in fatigue crack growth assessment. International Journal of Fatigue, 2006, 28, 1759-1768.	5.7	68
155	An experimental evaluation of crack face energy dissipation. International Journal of Fatigue, 2006, 28, 1716-1724.	5.7	34
156	Crack patching: Predicting fatigue crack growth. Theoretical and Applied Fracture Mechanics, 2006, 45, 79-91.	4.7	18
157	Interaction of ultrasonic waves with structural damage: A diffraction analogy. Theoretical and Applied Fracture Mechanics, 2006, 46, 26-37.	4.7	1
158	Predicting the fatigue life and crack aspect ratio evolution in complex structures. Theoretical and Applied Fracture Mechanics, 2006, 46, 128-139.	4.7	10
159	Optimisation of damage tolerant structures using a 3D biological algorithm. Engineering Failure Analysis, 2006, 13, 362-379.	4.0	20
160	Integration Method of Analysis for Intra-grating Sensing with a Chirped Fiber Bragg Grating. , 2006, , TuE46.		2
161	Determination of the position of a localized heat source within a chirped fibre Bragg grating using a Fourier transform technique. Measurement Science and Technology, 2006, 17, 1436-1445.	2.6	12
162	Implementation of integration of differences method for extraction of temperature profiles along chirped fibre Bragg gratings. , 2006, , .		3

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163	Stress intensity factor solutions for finite body with quarter-elliptical flaws emanating from a notch. Engineering Fracture Mechanics, 2005, 72, 1329-1343.	4.3	16
164	Structural optimisation with damage tolerance constraints. Theoretical and Applied Fracture Mechanics, 2005, 43, 133-155.	4.7	13
165	An experimental evaluation of fatigue crack growth. Engineering Failure Analysis, 2005, 12, 99-128.	4.0	140
166	Design of structures for optimal static strength using ESO. Engineering Failure Analysis, 2005, 12, 61-80.	4.0	26
167	An assessment of stress intensity factors for surface flaws in a tubular member. Engineering Fracture Mechanics, 2005, 72, 357-371.	4.3	16
168	The effect of impactor shape on the impact response of composite laminates. Composite Structures, 2005, 67, 139-148.	5.8	153
169	Thermography as a tool for damage assessment. Composite Structures, 2005, 67, 149-155.	5.8	53
170	Crack patching: an experimental evaluation of fatigue crack growth. Composite Structures, 2005, 67, 229-238.	5.8	24
171	Assessment of partly circumferential cracks in pipes. International Journal of Fracture, 2005, 133, 167-181.	2.2	23
172	Crack growth at low ?Kâ€™s and the Frostâ€Dugdale law. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2004, 27, 871-877.	1.1	18
173	Stiffness properties for Nucleus standard straight and contour electrode arrays. Medical Engineering and Physics, 2004, 26, 677-685.	1.7	40
174	Weight functions, CTOD, and related solutions for cracks at notches. Engineering Failure Analysis, 2004, 11, 79-114.	4.0	49
175	Weight functions for composite repairs to stiffened panels. Engineering Failure Analysis, 2004, 11, 49-78.	4.0	6
176	Health monitoring of draglines using ultrasonic waves. Engineering Failure Analysis, 2004, 11, 257-266.	4.0	4
177	Development of life extension strategies for Australian military aircraft, using structural health monitoring of composite repairs and joints. Composite Structures, 2004, 66, 133-143.	5.8	43
178	Application of constitutive modelling and advanced repair technology to F111C aircraft. Composite Structures, 2004, 66, 145-157.	5.8	11
179	Modelling creep behaviour of orthotropic composites by the coincident element method. Composite Structures, 2004, 66, 409-413.	5.8	4
180	The response of composite structures with pre-stress subject to low velocity impact damage. Composite Structures, 2004, 66, 685-698.	5.8	113

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181	Optimization Using Nimrod/O and Its Application to Robust Mechanical Design. Lecture Notes in Computer Science, 2004, , 730-737.	1.3	13
182	Crack size and speed interaction characteristics at micro-, meso- and macro-scale. Theoretical and Applied Fracture Mechanics, 2003, 39, 127-136.	4.7	9
183	Piezomagnetic and piezoelectric poling effects on mode I and II crack initiation behavior of magnetoelectroelastic materials. Theoretical and Applied Fracture Mechanics, 2003, 40, 161-186.	4.7	72
184	Evaluation of trajectories and contact pressures for the straight nucleus cochlear implant electrode array â€" a two-dimensional application of finite element analysis. Medical Engineering and Physics, 2003, 25, 141-147.	1.7	48
185	Modelling Orthotropic Viscoelastic Behaviour of Composite Laminates Using a Coincident Element Method. Polymers and Polymer Composites, 2003, 11, 669-677.	1.9	6
186	In situ health monitoring of bonded composite repairs using a novel fiber Bragg grating sensing arrangement. , 2002, , .		13
187	Finite element modeling to determine thermal residual strain distribution of bonded composite repairs for structural health monitoring design. , 2002, 4934, 128.		2
188	Numerical Analysis and Design. , 2002, , 207-267.		3
189	Using hybrid element method to solve 3D elliptic crack problems with multi-materials structure. Engineering Failure Analysis, 2002, 9, 123-145.	4.0	3
190	A simple method for computing the stress intensity factors for cracks at notches. Engineering Failure Analysis, 2002, 9, 683-702.	4.0	23
191	Adhesively bonded joints under cyclic loading spectra. Fatigue and Fracture of Engineering Materials and Structures, 2002, 25, 173-185.	3.4	10
192	Assessment of multiple flat elliptical cracks with interactions. Theoretical and Applied Fracture Mechanics, 2002, 38, 281-291.	4.7	13
193	Bonded repairs to rib stiffened wing skins. Composite Structures, 2002, 57, 453-458.	5.8	11
194	Composite repairs to cracked holes under bi-axial loading. Composite Structures, 2002, 57, 459-464.	5.8	6
195	Health monitoring of composite repairs and joints using optical fibres. Composite Structures, 2002, 58, 397-403.	5.8	76
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