

David A Dillard

List of Publications by Year in descending order

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222
papers

4,527
citations

134610

34
h-index

206121

51
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236
all docs

236
docs citations

236
times ranked

3143
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture characterization of overmold composite adhesion. <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 977-997.	2.6	6
2	Mechanical properties of tissue-mimicking composites formed by material jetting additive manufacturing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104938.	1.5	10
3	History-Dependent Deformations of Rat Vaginas under Inflation. <i>Integrative and Comparative Biology</i> , 2022, 62, 625-640.	0.9	4
4	Applying fracture mechanics to adhesive bonds. , 2021, , 295-316.		1
5	Solid-state cladding on thin automotive sheet metals enabled by additive friction stir deposition. <i>Journal of Materials Processing Technology</i> , 2021, 291, 117045.	3.1	46
6	Tear propagation in vaginal tissue under inflation. <i>Acta Biomaterialia</i> , 2021, 127, 193-204.	4.1	7
7	Using auxiliary adherends to eliminate need for grain control in fracture testing of adhesively bonded wood. <i>International Journal of Adhesion and Adhesives</i> , 2021, 110, 102917.	1.4	1
8	Active Membranes on Rigidity Tunable Foundations for Programmable, Rapidly Switchable Adhesion. <i>Advanced Materials Technologies</i> , 2020, 5, 2000676.	3.0	26
9	Kearsley-type instabilities in finite deformations of transversely isotropic and incompressible hyperelastic materials. <i>International Journal of Solids and Structures</i> , 2020, 196-197, 171-178.	1.3	3
10	Real-time characterization of hydrogel viscoelastic properties and sol-gel phase transitions using cantilever sensors. <i>Journal of Rheology</i> , 2020, 64, 837-850.	1.3	11
11	Examining T-peel specimen bond length effects: Experimental and numerical explorations of transitions to steady-state debonding. <i>International Journal of Solids and Structures</i> , 2019, 180-181, 72-83.	1.3	11
12	On preferential debonding during demolding of a sandwiched elastomeric layer. <i>International Journal of Solids and Structures</i> , 2019, 170, 123-141.	1.3	3
13	Effect of areal density and fiber orientation on the deformation of thermomechanical bonds in a nonwoven fabric. <i>Polymer Engineering and Science</i> , 2019, 59, 311-322.	1.5	6
14	Biaxial properties of individual bonds in thermomechanically bonded nonwoven fabrics. <i>Textile Research Journal</i> , 2019, 89, 698-710.	1.1	5
15	A review of Winkler's foundation and its profound influence on adhesion and soft matter applications. <i>Soft Matter</i> , 2018, 14, 3669-3683.	1.2	90
16	Characterizing fracture performance and the interaction of propagating cracks with locally weakened interfaces in adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2018, 82, 196-205.	1.4	14
17	On buckling of a thin plate on an elastomeric foundation. <i>International Journal of Mechanical Sciences</i> , 2018, 149, 429-435.	3.6	10
18	Characterizing the effect of print orientation on interface integrity of multi-material jetting additive manufacturing. <i>Additive Manufacturing</i> , 2018, 22, 447-461.	1.7	51

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19	Impact of material concentration and distribution on composite parts manufactured via multi-material jetting. <i>Rapid Prototyping Journal</i> , 2018, 24, 872-879.	1.6	29
20	Special Tests. , 2018, , 593-612.		1
21	Expression, crosslinking, and developing modulus master curves of recombinant resilin. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 385-394.	1.5	5
22	Edge Debonding in Peeling of a Thin Flexible Plate From an Elastomer Layer: A Cohesive Zone Model Analysis. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2017, 84, .	1.1	4
23	Revisiting the generalized scaling law for adhesion: role of compliance and extension to progressive failure. <i>Soft Matter</i> , 2017, 13, 7529-7536.	1.2	24
24	Friction of extensible strips: An extended shear lag model with experimental evaluation. <i>International Journal of Solids and Structures</i> , 2017, 124, 125-134.	1.3	11
25	Effect of confinement and interfacial adhesion on peeling of a flexible plate from an elastomeric layer. <i>International Journal of Solids and Structures</i> , 2017, 110-111, 385-403.	1.3	12
26	Special Tests. , 2017, , 1-21.		0
27	Buckling of elastic beams embedded in granular media. <i>Extreme Mechanics Letters</i> , 2016, 9, 237-244.	2.0	21
28	Debonding of confined elastomeric layer using cohesive zone model. <i>International Journal of Adhesion and Adhesives</i> , 2016, 66, 114-127.	1.4	18
29	Molecular modeling of the elastomeric properties of repeating units and building blocks of resilin, a disordered elastic protein. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 61, 110-121.	1.5	7
30	Constitutive Relation for Large Deformations of Fiber-Reinforced Rubberlike Materials with Different Response in Tension and Compression. <i>Tire Science and Technology</i> , 2016, 44, 51-72.	0.3	1
31	Development and Validation of a Uniaxial Nonlinear Viscoelastic Viscoplastic Stress Model for a Fuel Cell Membrane. <i>Journal of Fuel Cell Science and Technology</i> , 2015, 12, .	0.8	3
32	Falling vertical chain of oscillators, including collisions, damping, and pretensioning. <i>Journal of Sound and Vibration</i> , 2015, 349, 195-205.	2.1	1
33	Assessing the Tearing Energy of a Hydrocarbon Elastomeric Seal Material for Fuel Cell Applications. <i>Fuel Cells</i> , 2014, 14, 543-550.	1.5	1
34	Analysis of cohesive failure in adhesively bonded joints with the SSPH meshless method. <i>International Journal of Adhesion and Adhesives</i> , 2014, 51, 67-80.	1.4	38
35	Fracture characterization of bonded joints using the dual actuator load apparatus. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 512-524.	1.4	16
36	Fracture Mechanics Tests in Adhesively Bonded Joints: A Literature Review. <i>Journal of Adhesion</i> , 2014, 90, 955-992.	1.8	166

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37	A tapered bondline thickness double cantilever beam (DCB) specimen geometry for combinatorial fracture studies of adhesive bonds. <i>International Journal of Adhesion and Adhesives</i> , 2014, 55, 155-160.	1.4	25
38	Equilibria and instabilities of a Slinky: Discrete model. <i>International Journal of Non-Linear Mechanics</i> , 2014, 65, 236-244.	1.4	7
39	Comparison of the performance of SSPH and MLS basis functions for two-dimensional linear elastostatics problems including quasistatic crack propagation. <i>Computational Mechanics</i> , 2013, 51, 19-34.	2.2	22
40	Characterizing the constitutive properties and developing a stress model for adhesive bond-line readout. <i>International Journal of Adhesion and Adhesives</i> , 2013, 40, 149-157.	1.4	11
41	Numerical validation of a crack equivalent method for mixed-mode I+II fracture characterization of bonded joints. <i>Engineering Fracture Mechanics</i> , 2013, 107, 38-47.	2.0	15
42	Photoactive Polyesters Containing <i>o</i> -Nitro Benzyl Ester Functionality for Photodeactivatable Adhesion. <i>Journal of Adhesion</i> , 2013, 89, 548-558.	1.8	15
43	Analysis of Carbon Nanotubes and Graphene Nanoribbons With Folded Racket Shapes. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2012, 134, .	0.8	6
44	Developing a Simple Damage Model for the Long-Term Durability of Acrylic Foam Structural Glazing Tape Subject to Sustained Wind Loading. <i>Journal of Architectural Engineering</i> , 2012, 18, 214-222.	0.8	4
45	An Evaluation of Acrylic Pressure Sensitive Adhesive Tapes for Bonding Wood in Building Construction Applications. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1349-1381.	1.4	10
46	Characterization of mixed-mode I/II fracture properties of adhesively bonded yellow-poplar by a dual actuator test frame instrument. <i>Holzforschung</i> , 2012, 66, 623-631.	0.9	14
47	Effects of systematic variation of wood adherend bending stiffness on fracture properties. Part 2. Revisiting traditional DCB analysis methods. <i>Holzforschung</i> , 2012, 66, 771-779.	0.9	5
48	Effects of systematic variation of wood adherend bending stiffness on fracture properties: Part 1. Influence of grain angle. <i>Holzforschung</i> , 2012, 66, 765-770.	0.9	5
49	Characterization of the Fracture Energy of a PFCB/PVDF Polymer Electrolyte Fuel Cell Membrane Using a Knife Slit Test. , 2012, , .		0
50	Development and Validation of a Non-Linear Viscoelastic Viscoplastic Stress Model for a PFCB/PVDF Fuel Cell Membrane. , 2012, , .		1
51	Linear Hygrothermal Viscoelastic Characterization of Nafion NRE 211 Proton Exchange Membrane. <i>Fuel Cells</i> , 2012, 12, 787-799.	1.5	22
52	Development of a High Precision Method to Characterize Poisson's Ratios of Encapsulant Gels Using a Flat Disk Configuration. <i>Experimental Mechanics</i> , 2012, 52, 1397-1405.	1.1	11
53	Strain rate and temperature dependence of a nanoparticle-filled poly(dimethylsiloxane) undergoing shear deformation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 929-937.	2.4	12
54	Physical Properties of Adhesives. , 2011, , 391-414.		2

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55	Special Tests. , 2011, , 533-549.		0
56	Experimental Measurement of Stress and Strain in Nafion Membrane during Hydration Cycles. Journal of the Electrochemical Society, 2011, 159, B173-B184.	1.3	33
57	Morphological Factors Affecting the Behavior of Water in Proton Exchange Membrane Materials. ECS Transactions, 2011, 41, 87-100.	0.3	11
58	Stress-Lifetime Characterization of Proton Exchange Membrane Using 3-D Digital Image Correlation and Pressure-Loaded Blister Tests. , 2011, , .		0
59	Characterizing acrylic foam pressure sensitive adhesive tapes for structural glazing applicationsâ€”Part I: DMA and ramp-to-fail results. International Journal of Adhesion and Adhesives, 2011, 31, 639-649.	1.4	26
60	Characterizing acrylic foam pressure sensitive adhesive tapes for structural glazing applicationsâ€”Part II: Creep rupture results. International Journal of Adhesion and Adhesives, 2011, 31, 650-659.	1.4	23
61	Numerical analysis of the dual actuator load test applied to fracture characterization of bonded joints. International Journal of Solids and Structures, 2011, 48, 1572-1578.	1.3	18
62	Estimating the Stresses in Linear Viscoelastic Sealants Subjected to Thermally-Driven Deformations. Journal of Adhesion, 2011, 87, 162-178.	1.8	6
63	Using standard adhesion tests to characterize performance of material system options for insulated rail joints. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2011, 225, 509-522.	1.3	8
64	Collapse of Heavy Cantilevered Elastica With Frictional Internal Support. Journal of Applied Mechanics, Transactions ASME, 2011, 78, .	1.1	6
65	On the Use of a Driven Wedge Test to Acquire Dynamic Fracture Energies of Bonded Beam Specimens. Journal of Adhesion, 2011, 87, 395-423.	1.8	23
66	Instability of Flexible Strip Hanging Over Edge of Flat Frictional Surface. Journal of Applied Mechanics, Transactions ASME, 2011, 78, .	1.1	0
67	The Nonlinear Viscoelastic Properties of PFSA Membranes in Water-immersed and Humid Air Conditions. Conference Proceedings of the Society for Experimental Mechanics, 2011, , 163-174.	0.3	1
68	Preparation for the Fundamentals of Engineering Examination at Virginia Tech. , 2011, , .		0
69	Evaluating the time and temperature dependent biaxial strength of Gore-SelectÂ® series 57 proton exchange membrane using a pressure loaded blister test. Journal of Power Sources, 2010, 195, 527-531.	4.0	34
70	Three-dimensional finite element analysis of fracture modes for the pull-off test of a thin film from a stiff substrate. Thin Solid Films, 2010, 518, 3837-3843.	0.8	5
71	Characterizing fracture energy of proton exchange membranes using a knife slit test. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 333-343.	2.4	26
72	Mullins effect recovery of a nanoparticleâ€”filled polymer. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2207-2214.	2.4	31

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73	Advances in nanoparticle reinforcement in structural adhesives. , 2010, , 151-182.		11
74	Improvements in bonding metals (steel, aluminium). , 2010, , 185-236.		6
75	Advances in bonding plastics. , 2010, , 237-264.		8
76	Selecting the right joint design and fabrication techniques. , 2010, , 295-315.		7
77	Life prediction for bonded joints in composite material based on actual fatigue damage. , 2010, , 316-349.		0
78	Developments in testing adhesive joints. , 2010, , 389-436.		12
79	Improving bonding at high and low temperatures. , 2010, , 516-546.		3
80	Designing adhesive joints for fatigue and creep load conditions. , 2010, , 469-515.		9
81	Improving bonding in hostile chemical environments. , 2010, , 574-615.		2
82	Bonding of polymer matrix composites. , 2010, , 265-291.		5
83	Advances in acrylic structural adhesives. , 2010, , 132-150.		11
84	Advances in polyurethane structural adhesives. , 2010, , 35-65.		17
85	Advances in structural silicone adhesives. , 2010, , 66-95.		13
86	Mixed mode fracture testing of adhesively bonded wood specimens using a dual actuator load frame. Holzforschung, 2010, 64, .	0.9	33
87	Improving adhesive joint design using fracture mechanics. , 2010, , 350-388.		9
88	Advances in epoxy adhesives. , 2010, , 20-34.		5
89	Advances in anaerobic and cyanoacrylate adhesives. , 2010, , 96-131.		18
90	The Effect of Mechanical Fatigue on the Lifetimes of Membrane Electrode Assemblies. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	70

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91	Assessing and improving bonding in wet conditions. , 2010, , 547-573.		0
92	Advances in Structural Adhesive Bonding. , 2010, , .		46
93	On the Use of Pressure-Loaded Blister Tests to Characterize the Strength and Durability of Proton Exchange Membranes. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	40
94	Viscoelastic Stress Analysis of Constrained Proton Exchange Membranes Under Humidity Cycling. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	101
95	Tests of Adhesives to Augment Nails in Wind Uplift Resistance of Roofs. Journal of Structural Engineering, 2009, 135, 88-93.	1.7	9
96	Fatigue and creep to leak tests of proton exchange membranes using pressure-loaded blisters. Journal of Power Sources, 2009, 194, 873-879.	4.0	83
97	Observations of Decreased Fracture Toughness for Mixed Mode Fracture Testing of Adhesively Bonded Joints. Journal of Adhesion Science and Technology, 2009, 23, 1515-1530.	1.4	49
98	Rate-Dependent Cohesive Zone Modeling of Unstable Crack Growth in an Epoxy Adhesive. Mechanics of Advanced Materials and Structures, 2009, 16, 12-19.	1.5	26
99	Experimental and Analytical Study of Gas Diffusion Layer Materials for Ribbon Fuel Cells. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	2
100	Hygrothermal characterization of the viscoelastic properties of Gore-Select® 57 proton exchange membrane. Mechanics of Time-Dependent Materials, 2008, 12, 221-236.	2.3	39
101	Characterizing the fracture resistance of proton exchange membranes. Journal of Power Sources, 2008, 185, 374-380.	4.0	48
102	Finite element analysis of bonded insulated rail joints. International Journal of Adhesion and Adhesives, 2008, 28, 142-150.	1.4	30
103	Evaluating the Rate-Dependent Fracture Toughness of an Automotive Adhesive. Journal of Adhesion, 2008, 84, 143-163.	1.8	27
104	Subcritical Delamination in Epoxy Bonds to Silicon and Glass Adherends: Effect of Temperature and Preconditioning. Journal of Adhesion, 2008, 84, 619-637.	1.8	4
105	A High Precision Experimental Method to Determine Poisson's Ratios of Encapsulant Gels. Journal of Electronic Packaging, Transactions of the ASME, 2008, 130, .	1.2	4
106	Dynamic Fracture Analysis of Adhesively Bonded Joints Using Explicit Methods. AIAA Journal, 2007, 45, 2778-2784.	1.5	7
107	Analysis of tapered, adhesively bonded, insulated rail joints. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2007, 221, 195-204.	1.3	19
108	Cathodic delamination of elastomer-to-metal adhesive joints: Experimental data and empirical modeling. International Journal of Adhesion and Adhesives, 2007, 27, 108-121.	1.4	9

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109	Multi-layer in-situ for evaluation of dynamic mechanical properties of pressure sensitive adhesives. International Journal of Adhesion and Adhesives, 2007, 27, 536-546.	1.4	13
110	Development of a simple mixed-mode fracture test and the resulting fracture energy envelope for an adhesive bond. International Journal of Fracture, 2007, 148, 261-271.	1.1	34
111	Three-Dimensional Finite Element Analysis of Mixed-Mode Interfacial Delamination for the Pull-Off Test. , 2007, , .		0
112	Plasma and Silane Surface Modification of SiC/Si: Adhesion and Durability for the Epoxy/SiC System. Journal of Adhesion, 2006, 82, 331-353.	1.8	9
113	Using a Knife Slitting Test to Characterize the Fracture Resistance of Proton Exchange Membranes. , 2006, , 189.		2
114	Effect of residual stress on the energy release rate of wedge and DCB test specimens. International Journal of Adhesion and Adhesives, 2006, 26, 285-294.	1.4	31
115	Effect of boundary conditions and spacers on single-lap joints loaded in tension or compression. International Journal of Adhesion and Adhesives, 2006, 26, 629-638.	1.4	28
116	Optimizing the mismatch in curvature between a flexible adherend and a rigid substrate. Journal of Adhesion Science and Technology, 2006, 20, 1595-1613.	1.4	3
117	Postbuckling of Elastic Columns with Second-Mode Imperfection. Journal of Engineering Mechanics - ASCE, 2006, 132, 898-901.	1.6	7
118	Tear Resistance of Proton Exchange Membranes. , 2005, , 153.		8
119	Assessing the effects of shear, compression, and peel on the cathodic degradation of elastomer-to-metal adhesive bonds. International Journal of Adhesion and Adhesives, 2005, 25, 147-163.	1.4	19
120	A bending-to-stretching analysis of the blister test in the presence of tensile residual stress. International Journal of Solids and Structures, 2005, 42, 2771-2784.	1.3	42
121	Fracture mechanics of adhesive bonds. , 2005, , 189-208.		5
122	A Preliminary Evaluation and Analysis of Technologies for Eliminating Railway Insulated Joints. , 2005, , 135.		1
123	Viscoelastic Stress Model and Mechanical Characterization of Perfluorosulfonic Acid (PFSA) Polymer Electrolyte Membranes. , 2005, , 161.		20
124	Characterizing Dynamic Fracture Behavior of Adhesive Joints under Quasi-Static and Impact Loading. Journal of ASTM International, 2005, 2, 12955.	0.2	14
125	Modeling Stable and Unstable Crack Growth Observed in Quasi-Static Adhesively Bonded Beam Tests. , 2004, , 379.		2
126	EXPERIMENTS AND INELASTIC ANALYSIS OF THE LOOP TACK TEST FOR PRESSURE-SENSITIVE ADHESIVES. Journal of Adhesion, 2004, 80, 203-221.	1.8	8

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127	A theoretical and numerical study of thin film delamination using the pull-off test. International Journal of Solids and Structures, 2004, 41, 717-730.	1.3	36
128	Postbuckling and vibration of a flexible strip clamped at its ends to a hinged substrate. International Journal of Solids and Structures, 2004, 41, 859-870.	1.3	18
129	EVALUATION OF THE LONG-TERM DURABILITY OF HIGH-PERFORMANCE POLYIMIDE ADHESIVES FOR BONDING TITANIUM. Journal of Adhesion, 2004, 80, 1153-1172.	1.8	11
130	Adhesive Layer Shrinkage in Bonds Subjected to Thermal Cycling. Mechanics of Time-Dependent Materials, 2003, 7, 21-39.	2.3	6
131	A theoretical and numerical study of a thin clamped circular film under an external load in the presence of a tensile residual stress. Thin Solid Films, 2003, 425, 150-162.	0.8	149
132	Effect of work of adhesion on contact of a pressurized blister with a flat surface. International Journal of Adhesion and Adhesives, 2003, 23, 207-214.	1.4	27
133	Environmental aging effects on the durability of electrically conductive adhesive joints. International Journal of Adhesion and Adhesives, 2003, 23, 235-250.	1.4	78
134	Constitutive equation for elastic indentation of a thin-walled bio-mimetic microcapsule by an atomic force microscope tip. Colloids and Surfaces B: Biointerfaces, 2003, 27, 241-248.	2.5	28
135	Environmental aging effects on thermal and mechanical properties of electrically conductive adhesives. Journal of Adhesion, 2003, 79, 699-723.	1.8	17
136	Bimaterial curvature measurements for the CTE of adhesives: optimization, modeling, and stability. Journal of Adhesion Science and Technology, 2003, 17, 149-164.	1.4	20
137	Determining the impact resistance of electrically conductive adhesives using a falling wedge test. IEEE Transactions on Components and Packaging Technologies, 2003, 26, 554-562.	1.4	53
138	Cathodic weakening of elastomer-to-metal adhesive bonds: accelerated testing and modeling. Journal of Adhesion Science and Technology, 2003, 17, 1235-1264.	1.4	21
139	Experiments on contact of a loop with a substrate to measure work of adhesion. Journal of Adhesion, 2003, 79, 559-579.	1.8	8
140	Adhesion of a flat punch adhered to a thin pre-stressed membrane. Journal of Adhesion, 2003, 79, 123-140.	1.8	31
141	Strain energy release rates of a pressure sensitive adhesive measured by the shaft-loaded blister test. Journal of Adhesion, 2003, 79, 69-97.	1.8	27
142	Experimental Evaluation of the Probe Test for Measuring Thin Film Adhesion. , 2003, , .		0
143	Crack path selection in adhesively bonded joints. , 2002, , 389-442.		9
144	Fundamentals of stress transfer in bonded systems. , 2002, , 1-44.		11

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145	Effect of substrate flexibility on solder joint reliability. <i>Microelectronics Reliability</i> , 2002, 42, 1883-1891.	0.9	20
146	Title is missing!. <i>International Journal of Fracture</i> , 2002, 114, 167-190.	1.1	52
147	The effect of surface treatments on interfacial fatigue crack initiation in aluminum/epoxy bonds. <i>International Journal of Fracture</i> , 2002, 114, 191-202.	1.1	35
148	Crack Path Selection in Adhesively-Bonded Joints: The Role of Material Properties. <i>Journal of Adhesion</i> , 2001, 75, 405-434.	1.8	26
149	Effect of work of adhesion on contact of an elastica with a flat surface. <i>Journal of Adhesion Science and Technology</i> , 2001, 15, 565-581.	1.4	14
150	Two- and three-dimensional geometrical nonlinear finite elements for analysis of adhesive joints. <i>International Journal of Adhesion and Adhesives</i> , 2001, 21, 17-34.	1.4	91
151	The effect of the T-stress on crack path selection in adhesively bonded joints. <i>International Journal of Adhesion and Adhesives</i> , 2001, 21, 357-368.	1.4	77
152	Numerical analysis of directionally unstable crack propagation in adhesively bonded joints. <i>International Journal of Solids and Structures</i> , 2001, 38, 6907-6924.	1.3	31
153	Pressure and shear stress distributions of an elastomer constrained by a cylinder of finite length. <i>International Journal of Solids and Structures</i> , 2001, 38, 6839-6849.	1.3	17
154	Stacked solder bumping technology for improved solder joint reliability. <i>Microelectronics Reliability</i> , 2001, 41, 1979-1992.	0.9	47
155	Elastic Analysis of the Loop Tack Test for Pressure Sensitive Adhesives. <i>Journal of Adhesion</i> , 2001, 76, 37-53.	1.8	20
156	Anisotropy in the thermal shrinkage of polyimide film. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 3222-3229.	2.4	6
157	Structure-property relationships of void-free phenolic-epoxy matrix materials. <i>Polymer</i> , 2000, 41, 5053-5062.	1.8	78
158	Network Structure and Properties of Dimethacrylate-Styrene Matrix Materials. <i>Journal of Composite Materials</i> , 2000, 34, 1512-1528.	1.2	18
159	A Stress Singularity Approach for the Prediction of Fatigue Crack Initiation in Adhesive Bonds. Part 1: Theory. <i>Journal of Adhesion</i> , 1999, 70, 119-138.	1.8	54
160	Tough, void-free, flame retardant phenolic matrix materials. <i>Construction and Building Materials</i> , 1999, 13, 343-353.	3.2	22
161	Deflections and buckling of a bent elastica in contact with a flat surface. <i>International Journal of Solids and Structures</i> , 1999, 36, 1209-1229.	1.3	31
162	Effect of Mode-Mixity on the Fracture Toughness of Ti-6Al-4V/FM-5 Adhesive Joints. <i>International Journal of Fracture</i> , 1999, 96, 215-228.	1.1	34

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163	A Stress Singularity Approach for the Prediction of Fatigue Crack Initiation in Adhesive Bonds. Part 2: Experimental. <i>Journal of Adhesion</i> , 1999, 70, 139-154.	1.8	30
164	Solvent Effects on High Temperature Polyimides and their Bonded Joints. <i>Journal of Adhesion</i> , 1999, 69, 83-98.	1.8	8
165	Analysis of the Notched Coating Adhesion Test. <i>Journal of Adhesion</i> , 1999, 69, 99-120.	1.8	29
166	Details of the integral equation method applied to the analysis of an adhesive layer crack. <i>International Journal of Solids and Structures</i> , 1998, 35, 1099-1130.	1.3	1
167	Residual Stress Development in Adhesive Joints Subjected to Thermal Cycling. <i>Journal of Adhesion</i> , 1998, 65, 277-306.	1.8	61
168	Environmental aging of the Ti-6Al-4V/FM-5 polyimide adhesive bonded system: implications of physical and chemical aging on durability. <i>Journal of Adhesion Science and Technology</i> , 1998, 12, 615-637.	1.4	20
169	Dye Penetrant Induced Micro cracking in High Performance Thermoplastic Polyimide Composites. <i>Journal of Composite Materials</i> , 1998, 32, 31-48.	1.2	7
170	A Test Method for Accelerated Humidity Conditioning and Estimation of Adhesive Bond Durability. <i>Journal of Adhesion</i> , 1997, 60, 153-162.	1.8	38
171	Effect of physical aging and variable stress history on the strain response of polymeric composites. <i>Composites Science and Technology</i> , 1997, 57, 1271-1279.	3.8	17
172	Design and characterization of thermosetting polyimide structural adhesive and composite matrix systems. <i>Journal of Polymer Science Part A</i> , 1997, 35, 2943-2954.	2.5	29
173	Using the fracture efficiency to compare adhesion tests. <i>International Journal of Solids and Structures</i> , 1997, 34, 509-525.	1.3	21
174	On the problem of shear-locking in finite elements based on shear deformable plate theory. <i>International Journal of Solids and Structures</i> , 1997, 34, 859-875.	1.3	12
175	An Evaluation of Chemical Aging/Oxidation in High Performance Composites Using the Vickers Micro-Indentation Technique. <i>Journal of Composite Materials</i> , 1996, 30, 210-230.	1.2	17
176	A Comparison of Energy Release Rates in Different Membrane Blister and Peel Tests. <i>Journal of Adhesion</i> , 1996, 56, 59-78.	1.8	12
177	The cracked lap shear specimen revisited—a closed form solution. <i>International Journal of Solids and Structures</i> , 1996, 33, 1725-1743.	1.3	62
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