

# Erol Sancaktar

## List of Publications by Year in descending order

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171  
papers

2,255  
citations

318942

23  
h-index

325983

40  
g-index

174  
all docs

174  
docs citations

174  
times ranked

1795  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of pH-Responsive Polyimide Polyacrylic Acid Smart Gating Membranes: Ultrafast Method Using 248 nm Krypton Fluoride Excimer Laser. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24431-24441.	4.0	26
2	Effect of solution parameters on pH-response of polyacrylic acid grafted polyimide smart membrane fabricated using 248Ånm krypton fluoride excimer laser. <i>Polymer</i> , 2021, 233, 124181.	1.8	9
3	Mixed-mode fracture behavior of epoxy-based impact adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2021, , 103012.	1.4	0
4	Use of Pyrolyzed Soybean Hulls as Fillers in Polypropylene and Linear Low Density Polyethylene. <i>Sustainable Chemistry</i> , 2021, 2, 622-644.	2.2	1
5	Nickel Nanofibers Manufactured via Sol-Gel and Electrospinning Processes for Electrically Conductive Adhesive Applications. <i>ChemEngineering</i> , 2020, 4, 26.	1.0	0
6	Effect of PET support membrane thickness on water permeation behavior of thermally responsive PNIPAM-g-PET membranes. <i>Journal of Membrane Science</i> , 2020, 610, 118304.	4.1	13
7	Mechanical Behavior of Toughened Epoxy Structural Adhesives for Impact Applications. <i>ChemEngineering</i> , 2020, 4, 38.	1.0	6
8	Self-Healable Supramolecular Vanadium Pentoxide Reinforced Polydimethylsiloxane-Graft-Polyurethane Composites. <i>Polymers</i> , 2019, 11, 41.	2.0	9
9	Comparison of Electrical Conductivity in Compounds of Carbon Black With Natural and Butadiene Rubbers. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	3
10	Fatigue-induced dual stiffness behavior of filled styreneâ€butadiene rubber. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 2006-2014.	0.7	2
11	Use of fly ash as eco-friendly filler in synthetic rubber for tire applications. <i>Journal of Cleaner Production</i> , 2019, 206, 374-382.	4.6	61
12	Poly(N-isopropylacrylamide) grafting solution parameters for controlling temperature responsiveness in PET membranes fabricated using 248â€nm KrF excimer laser. <i>European Polymer Journal</i> , 2018, 103, 220-227.	2.6	12
13	Poly ( N-isopropylacrylamide) grafted temperature responsive PET membranes: An ultrafast method for membrane processing using KrF excimer laser at 248â€nm. <i>Journal of Membrane Science</i> , 2018, 552, 357-366.	4.1	14
14	Identification of crack progression in filled rubber by micro X-ray CT-scan. <i>International Journal of Fatigue</i> , 2018, 111, 144-150.	2.8	21
15	Durability assessment via residual strength and viscoelastic observations on filled rubber compounds. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 2054-2065.	1.7	4
16	Classification of Adhesive and Sealant Materials. , 2018, , 283-317.		5
17	Constitutive Adhesive and Sealant Models. , 2018, , 615-663.		0
18	Patterned perforation of polyester films by excimer laser ablation. <i>Journal of Laser Applications</i> , 2017, 29, 012016.	0.8	3

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19	Fracture Behavior of Epoxy Resins in Fabricâ€Supported Form. Macromolecular Symposia, 2017, 373, 1600112.	0.4	1
20	Constitutive Adhesive and Sealant Models. , 2017, , 1-50.		1
21	Electrical Conductivity of Carbon Black - Silicon Rubber Nanocomposites: Effects of Strain, Load and Loading Rate. Current Nanomaterials, 2017, 1, 195-200.	0.2	5
22	Classification of Adhesive and Sealant Materials. , 2017, , 1-35.		1
23	Laser-perforated polymer films for possible use in tissue engineering. Surface Innovations, 2016, 4, 23-32.	1.4	10
24	Measurement of adsorption energy between a solid adsorbent and a liquid adsorbate using differential scanning calorimetry. Polymer Testing, 2016, 56, 185-191.	2.3	3
25	Role of adhesion in sandpaper failure progression. International Journal of Adhesion and Adhesives, 2016, 67, 14-21.	1.4	0
26	Dual-Stiffness Behavior of Fatigued Tire Rubber. , 2015, , .		1
27	Application of X-Ray Micro-CT Method to Assess Damage/Flaw Presence and Progression in Tire Rubber Materials. , 2015, , .		1
28	Physical Properties of LLDPE and PP Filled With Wood Flours. , 2015, , .		1
29	Orderly Perforation of Polyester Films by Excimer Laser. , 2015, , .		0
30	The Tribology and Micromechanics of Polystyrene-Montmorillonite Nanocomposites. Mechanics of Composite Materials, 2014, 49, 651-658.	0.9	4
31	Mechanical behavior of interlocking multi-stepped double scarf adhesive joints including void and disbond effects. International Journal of Adhesion and Adhesives, 2014, 53, 44-56.	1.4	12
32	Assessment of Crack Initiation in Tire Synthetic Rubber by Residual Strength Method. , 2014, , .		0
33	Blends of poly(3â€hydroxybutyrate) with poly(Î²â€alanine) and its derivatives. Journal of Applied Polymer Science, 2014, 131, .	1.3	10
34	<b><i>Retracted</i></b>: PP/PPâ€gâ€MAH/layered expanded graphite oxide nanocomposites prepared via masterbatch process. Journal of Applied Polymer Science, 2013, 128, 600-610.	1.3	6
35	Processing and assessment of high-performance poly(butylene terephthalate) nanocomposites reinforced with microwave exfoliated graphite oxide nanosheets. European Polymer Journal, 2013, 49, 1406-1423.	2.6	48
36	Fabrication of microwave exfoliated graphite oxide reinforced thermoplastic polyurethane nanocomposites: Effects of filler on morphology, mechanical, thermal and conductive properties. Composites Part A: Applied Science and Manufacturing, 2013, 47, 72-82.	3.8	84

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37	Increasing single-lap joint strength by adherend curvature-induced residual stresses. Journal of Adhesion Science and Technology, 2013, 27, 244-251.	1.4	12
38	Clay dispersion effects on excimer laser ablation of polymer-clay nanocomposites. Journal of Applied Polymer Science, 2013, 130, 2336-2344.	1.3	4
39	Structural Parameters for Nanocylinder Microdomains of Polystyrene-polybutadiene- Polystyrene Triblock Copolymer and its Blends with Polystyrene Homopolymer. Current Nanoscience, 2012, 8, 244-248.	0.7	1
40	Classification of Adhesive and Sealant Materials. , 2011, , 259-290.		3
41	Effects of substrate-blocks interactions on the phase behaviors of cylinder-forming block copolymers. AIP Advances, 2011, 1, 012118.	0.6	3
42	Nanocomposite adhesives: Mechanical behavior with nanoclay. International Journal of Adhesion and Adhesives, 2011, 31, 286-300.	1.4	52
43	The effects of partial bonding in load carrying capacity of single lap joints. International Journal of Adhesion and Adhesives, 2011, 31, 373-379.	1.4	22
44	Electrically Conductive Epoxy Adhesives. Polymers, 2011, 3, 427-466.	2.0	70
45	Clay Dispersion Effects on Excimer Laser Ablation of Polymer-Clay Nanocomposites. , 2011, , .		0
46	Constitutive Adhesive and Sealant Models. , 2011, , 551-595.		1
47	Surface Modification of Polymer-Clay Nanocomposites by Excimer Laser Ablation. , 2011, , .		0
48	Yield Behavior of Moderately Filled Epoxy/Ni Suspensions. Journal of Adhesion Science and Technology, 2010, 24, 1929-1948.	1.4	4
49	Nanocomposites of Epoxy with Electrospun Carbon Nanofibers: Mechanical Behavior. Journal of Adhesion, 2009, 85, 160-179.	1.8	24
50	Natural Frequencies of Composite Cylindrical Helical Springs Manufactured Using Filament Winding. , 2009, , .		1
51	Temperature-Dependent Phase Behaviors in Cylinder-Forming Block Copolymers. International Journal of Molecular Sciences, 2009, 10, 2169-2189.	1.8	4
52	Mathematical Assessment of the Effects of Parabolic and Spherical Surface Topographies on the Interfacial State of Stress. Journal of Adhesion, 2009, 85, 302-323.	1.8	3
53	Fabrication of Block Copolymer Nanotemplates by One-Step Matrix-Assisted Photothermal Excimer Laser Ablation. Current Nanoscience, 2009, 5, 324-334.	0.7	5
54	Chemorheology of Epoxy/Nickel Conductive Adhesives During Processing and Cure. Journal of Adhesion Science and Technology, 2008, 22, 957-981.	1.4	10

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55	Fabrication of well-defined block copolymer nano-cylinders by controlling the thermodynamics and kinetics involved in block copolymer self-assembly. <i>Soft Matter</i> , 2008, 4, 1454.	1.2	19
56	Geometric Effects on Multilayer Generic Circuits Fabricated Using Conductive Epoxy/Nickel Adhesives. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 947-956.	1.4	5
57	Stable and Unstable Capillary Flows of Highly-Filled Epoxy/Nickel Suspensions. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 983-1002.	1.4	7
58	Electrospun Polyacrylonitrile-Based Carbon Nanofibers and Their Silver Modifications: Surface Morphologies and Properties. <i>Current Nanoscience</i> , 2008, 4, 130-137.	0.7	5
59	Effect of Non-Woven Carbon Nanofiber Mat Presence on Cure Kinetics of Epoxy Nanocomposites. <i>Macromolecular Symposia</i> , 2008, 264, 26-33.	0.4	14
60	Complex Constitutive Adhesive Models. , 2008, , 95-130.		5
61	Epoxy/Nickel Conductive Adhesive Rheology During Processing and Cure. , 2008, , .		0
62	Fabrication of High Density Silicon Nano-Dots by Excimer Laser Irradiation on Block Copolymer Masks. , 2007, , .		0
63	Mechanical Properties of Electrospun Carbon Nano Fiber (ECNF)/Epoxy Nanocomposites. , 2007, , .		0
64	Evaluation of Processing Effects on Polystyrene/Clay Nanocomposites Using an Excimer Laser. , 2007, , .		0
65	Capillary Flows of Highly Filled Epoxy/Ni Suspensions for Conductive Adhesive Applications. , 2007, , .		0
66	Stress-Induced Reduction of Water Uptake in Clay-reinforced Epoxy Nanocomposites. <i>Current Nanoscience</i> , 2006, 2, 351-357.	0.7	7
67	Atomic force microscope tip spontaneous retraction from dielectric surfaces under applied electrostatic potential. <i>Ultramicroscopy</i> , 2006, 106, 909-913.	0.8	2
68	The effects of excimer laser irradiation at 248 nm on the surface mass loss and thermal properties of PS, ABS, PA6, and PC polymers. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1024-1037.	1.3	18
69	Evaluation of processing effects in injection-molded amorphous and crystalline thermoplastics using an excimer laser. <i>Journal of Applied Polymer Science</i> , 2006, 101, 258-268.	1.3	9
70	Perpendicularly Aligned, Size-and Spacing-Controlled Nanocylinders by Molecular-Weight Adjustment of a Homopolymer Blended in an Asymmetric Triblock Copolymer. <i>Advanced Functional Materials</i> , 2006, 16, 1950-1958.	7.8	18
71	The effects of stress state, loading frequency and cyclic waveforms on the fatigue behavior of silver-filled electronically-conductive adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 53-68.	1.4	22
72	A comprehensive fatigue life predictive model for electronically conductive adhesive joints under constant-cycle loading. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 87-104.	1.4	16

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73	A novel cumulative fatigue damage model for electronically-conductive adhesive joints under variable loading. <i>Journal of Adhesion Science and Technology</i> , 2006, 20, 69-86.	1.4	24
74	Improving Volume Resistivity of Epoxy Nanocomposites Using Electrospun Polyacrylonitrile-Based Carbon Nanofibers and Their Silver Modification. , 2005, , 781.		0
75	Stress-Dependent Water Uptake Behavior of Clay Reinforced Nanocomposite Epoxy. , 2005, , 775.		0
76	Calculation of Excimer Laser Induced Temperature Profiles in PET, PBT, and PS Polymer Films. , 2005, , 645.		0
77	Correlation of silver migration to the pull out strength of silver wire embedded in an adhesive matrix. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2005, 28, 771-780.	1.4	13
78	Effects of various adherend surface treatments on fatigue behavior of joints bonded with a silver-filled electronically conductive adhesive. <i>Journal of Adhesion Science and Technology</i> , 2005, 19, 659-678.	1.4	19
79	The interrelationships between electronically conductive adhesive formulations, substrate and filler surface properties, and joint performance. Part II: the effects of bonding pressure. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 1245-1261.	1.4	12
80	Evaluation of pressure-sensitive tape adhesion and backing directionality by excimer laser methods. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 69-86.	1.4	1
81	Fatigue and failure behaviors of silver-filled electronically-conductive adhesive joints subjected to elevated humidity. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 1833-1848.	1.4	15
82	Effects of calcium carbonate, talc, mica, and glass-fiber fillers on the ultrasonic weld strength of polypropylene. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1986-1998.	1.3	28
83	The interrelationships between electronically conductive adhesive formulations, substrate and filler surface properties, and joint performance. Part I: the effects of adhesive thickness. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 1225-1243.	1.4	14
84	Fatigue and failure behavior of silver-filled electronically-conductive adhesive joints subjected to elevated temperatures. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 849-881.	1.4	20
85	Dynamic fatigue and failure behavior of silver-filled electronically conductive adhesive joints at ambient environmental conditions. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 731-750.	1.4	21
86	A Study of Fatigue and Failure Behavior of Conductive Adhesive Joints Subjected to Elevated Temperature and Humidity. , 2004, , 247.		0
87	A Novel Economical Method to Improve the Toughness of Carbon/Epoxy Long Fiber Components by the Integration of Tow Loops Cores. , 2004, , .		1
88	Evaluation of Processing Effects in Injection Molded Thermoplastics Using Excimer Laser. , 2004, , .		0
89	Use of polymeric emeraldine salt for conductive adhesive applications. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1265-1282.	1.4	10
90	Electrostatic nanolithography in polymers using atomic force microscopy. <i>Nature Materials</i> , 2003, 2, 468-472.	13.3	173

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91	Increasing strength of single lap joints of metal adherends by taper minimization. Journal of Adhesion Science and Technology, 2003, 17, 655-675.	1.4	55
92	A novel mathematical procedure to evaluate the effects of surface topography on the interfacial state of stress. Part II. Verification of the method for scarf interfaces. Journal of Adhesion Science and Technology, 2003, 17, 831-846.	1.4	3
93	Failure Behavior of Filament-Wound Carbon Fiber/Epoxy Composite Tubes Under Axial Compression. , 2003, , 441.		1
94	Long-Term Migration Effects on the Pullout Strength of a Silver Wire Embedded in an Adhesive Matrix. , 2003, , .		0
95	Design of Filament-Wound Graphite/Epoxy Containment Shield for Jet Engines. , 2003, , .		0
96	The Effects of Filler Volume Fraction and Film Thickness on Resistivity of Conductive Adhesives. , 2003, , .		0
97	Fatigue Behavior of Electronically Conductive Adhesive Joints. , 2003, , .		0
98	Optimization of Adhesively Bonded Single Lap Joints by Tapering of Adherends. , 2002, , 575.		2
99	Stress States and Interference in Double Adhesive Layer Scarf and Butt Joints. , 2002, , 531.		0
100	Mechanical Adhesion Analysis of Multi-Stepped Double Scarf Joints With Void and Disbond Effects. , 2002, , .		3
101	A study on the effects of surface roughness on the strength of single lap joints. Journal of Adhesion Science and Technology, 2001, 15, 97-117.	1.4	70
102	Effect of interfacial weight loss by silver migration on the pullout strength of a silver wire embedded in an adhesive matrix. Journal of Adhesion Science and Technology, 2001, 15, 1221-1245.	1.4	3
103	A novel mathematical procedure to evaluate the effects of surface topography on the interfacial state of stress. Part I: Verification of the method for flat surfaces. Journal of Adhesion Science and Technology, 2001, 15, 1533-1558.	1.4	12
104	Linear free vibration analysis of cross-ply laminated cylindrical helical springs. International Journal of Mechanical Sciences, 2000, 42, 1153-1169.	3.6	14
105	Selective use of rubber toughening to optimize lap-joint strength. Journal of Adhesion Science and Technology, 2000, 14, 1265-1296.	1.4	101
106	Optimization of adhesively-bonded single lap joints by adherend notching. Journal of Adhesion Science and Technology, 2000, 14, 1363-1404.	1.4	47
107	Polymer adhesion by ultrasonic welding. Journal of Adhesion Science and Technology, 1999, 13, 179-201.	1.4	22
108	Design, analysis, and optimization of composite leaf springs for light vehicle applications. Composite Structures, 1999, 44, 195-204.	3.1	62

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109	Free vibration analysis of symmetric cross-ply laminated composite beams with the help of the transfer matrix approach. <i>Communications in Numerical Methods in Engineering</i> , 1999, 15, 651-660.	1.3	27
110	Substrate volume and stress gradient concepts in mechanical adhesion: analysis of single straight sections. <i>Journal of Adhesion Science and Technology</i> , 1999, 13, 237-271.	1.4	20
111	Thickness-dependent conduction behavior of various particles for conductive adhesive applications. <i>Journal of Adhesion Science and Technology</i> , 1999, 13, 763-771.	1.4	23
112	Pressure-dependent conduction behavior of various particles for conductive adhesive applications. <i>Journal of Adhesion Science and Technology</i> , 1999, 13, 679-693.	1.4	48
113	The Effect of the Longitudinal to Transverse Moduli Ratio on the Natural Frequencies of Symmetric Cross-Ply Laminated Cylindrical Helical Springs. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1999, 121, 634-639.	1.7	1
114	Comparison of the In-Plane Natural Frequencies of Symmetric Cross-Ply Laminated Beams Based on the Bernoulli-Euler and Timoshenko Beam Theories. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1999, 66, 410-417.	1.1	15
115	Mixed-Mode Fatigue Failure in Structural Adhesives. , 1999, , 764-785.		2
116	Silver coating of spindle- and filament-type magnetic particles for conductive adhesive applications. <i>Journal of Adhesion Science and Technology</i> , 1997, 11, 1105-1118.	1.4	24
117	Anisotropic alignment of nickel particles in a magnetic field for electronically conductive adhesives applications. <i>Journal of Adhesion Science and Technology</i> , 1997, 11, 155-166.	1.4	47
118	Composite Design Methodology: Design of Composite Trails for the U.S. Army's M198 Howitzer, A Case Study. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 1996, 118, 286-293.	1.7	0
119	Dependence of electrical conduction on the film thickness of conductive adhesives: modeling, computer simulation, and experiment. <i>Journal of Adhesion Science and Technology</i> , 1996, 10, 1199-1219.	1.4	34
120	The effect of pressure on the initial establishment of conductive paths in electronically conductive adhesives. <i>Journal of Adhesion Science and Technology</i> , 1996, 10, 1221-1235.	1.4	47
121	Conduction Efficiency and Strength of Electronically Conductive Adhesive Joints. <i>Journal of Adhesion</i> , 1996, 56, 229-246.	1.8	27
122	Recent Approaches in Constitutive Behavior and Testing of Structural Adhesives. <i>Applied Mechanics Reviews</i> , 1996, 49, S128-S138.	4.5	17
123	The Effects of Laser Radiation at 248 nm on the Surface Characteristics and Joint Properties of Aluminum Adherends. <i>Journal of Adhesion</i> , 1995, 50, 103-133.	1.8	19
124	Fracture aspects of adhesive joints: material, fatigue, interphase, and stress concentration considerations. <i>Journal of Adhesion Science and Technology</i> , 1995, 9, 119-147.	1.4	33
125	The Effect of Stress Whitening on Moisture Diffusion in Thermosetting Polymers. <i>Journal of Adhesion</i> , 1993, 42, 65-85.	1.8	21
126	An Analysis of the Curling Phenomenon in Viscoelastic Bimaterial Strips. <i>Journal of Adhesion</i> , 1993, 40, 175-187.	1.8	2



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127	Electric Resistive Heat Curing of the Fiber-Matrix Interphase in Graphite/Epoxy Composites. Journal of Mechanical Design, Transactions of the ASME, 1993, 115, 53-60.	1.7	12
128	The Effect of Fiber Type on the Level of Stress Concentration Created by U-Notches in Long-Fiber Composite Plates. , 1993, , .		1
129	Viscoelastic and Processing Effects on the Fiber-Matrix Interphase Strength. Part I. The Effects of Loading Rate, Test Temperature, Fiber Sizing and Global Strain Level. Journal of Adhesion, 1992, 38, 91-110.	1.8	7
130	Viscoelastic and Processing Effects on the Fiber-Matrix Interphase Strength. Part II. The Effects of Cure Temperature Time and Curing Agent Content. Journal of Adhesion, 1992, 38, 111-129.	1.8	6
131	Viscoelastic and Processing Effects on the Fiber-Matrix Interphase Strength. Part III. The Effects of Postcure. Journal of Adhesion, 1992, 38, 131-151.	1.8	5
132	A Comparison of Linear with Nonlinear Viscoelastic Solutions for Shear Stress Concentration in Double Lap Joints. Journal of Adhesion, 1991, 34, 211-220.	1.8	12
133	Nonlinear Viscoelastic Behavior of the Fiber-Matrix Interphase: Theory and Experiment. , 1991, , 295-302.		2
134	Nonlinear Viscoelastic Modelling of the Fiber-Matrix Interphase in Composite Materials. Journal of Mechanical Design, Transactions of the ASME, 1990, 112, 605-619.	1.7	28
135	Reply to Comment on "Linking Cure Process to Adhesive Bulk Strength by Differential Thermal Analysis" Journal of Adhesion, 1989, 30, 63-66.	1.8	0
136	The Effects of Cure Conditions on the Relaxation Behavior of Thermosetting Adhesives. Journal of Adhesion, 1989, 29, 233-244.	1.8	9
137	The Effects of Cure Temperature and Time on the Stress-Whitening Behavior of Structural Adhesives. Part II. Analysis of Fractographic Data. Journal of Adhesion, 1989, 27, 159-174.	1.8	12
138	The Effects of Cure Temperature and Time on the Stress-Whitening Behavior of Structural Adhesives. Part I. Analysis of Bulk Tensile Data. Journal of Adhesion, 1989, 27, 143-157.	1.8	13
139	Linking Cure Process to Adhesive Bulk Strength by Differential Thermal Analysis. Journal of Adhesion, 1988, 25, 185-201.	1.8	14
140	Investigation of Fracture Behavior of a Composite Crack Arrestor. Journal of Composite Materials, 1988, 22, 427-446.	1.2	4
141	Elastoplastic Fracture Behavior of Structural Adhesives Under Monotonic Loading. Journal of Adhesion, 1987, 23, 233-262.	1.8	21
142	Constitutive Behavior and Testing of Structural Adhesives. Applied Mechanics Reviews, 1987, 40, 1393-1402.	4.5	9
143	Application and limitations of the flexural creep test for polymeric materials. Polymer Testing, 1987, 7, 39-58.	2.3	7
144	The Effects of Molecular Weight on the Single Lap Shear Creep and Constant Strain Rate Behavior of Thermoplastic Polyimidesulfone Adhesive. Journal of Adhesion, 1986, 19, 287-308.	1.8	14

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145	Material characterization of structural adhesives in the lap shear mode. International Journal of Adhesion and Adhesives, 1985, 5, 66-68.	1.4	10
146	Material characterization of structural adhesives in the lap shear mode. 2. Temperature-dependent delayed failure. Industrial & Engineering Chemistry Product Research and Development, 1985, 24, 257-263.	0.5	16
147	The Effects of Cure Temperature and Time on the Bulk Fracture Properties of a Structural Adhesive. Journal of Adhesion, 1985, 18, 25-48.	1.8	24
148	Material characterization of structural adhesives in the lap shear mode. 1. The effects of rate. Industrial & Engineering Chemistry Product Research and Development, 1984, 23, 426-434.	0.5	20
149	Bulk-shear Testing of Solid-film Adhesives with Symmetric Rail-shear-test Specimen. Experimental Techniques, 1984, 8, 27-30.	0.9	2
150	Mechanical Behavior of Solid Film Adhesives with Scrim Carrier Cloths. , 1984, , 567-581.		0
151	The Effects of Cure Temperature and Time on the Bulk Tensile Properties of a Structural Adhesive. Journal of Adhesion, 1983, 15, 241-264.	1.8	40
152	The Effects of Inherent Flaws on the Time and Rate Dependent Failure of Adhesively Bonded Joints. Journal of Mechanical Design, 1982, 104, 643-650.	0.1	11
153	Non-destructive examination of adhesive bonds with neutron radiography. International Journal of Adhesion and Adhesives, 1981, 1, 329-330.	1.4	5
154	The Viscoelastic Shear Behavior of a Structural Adhesive. , 1980, , 279-299.		16
155	A Photoelastic Study of the Stress Distribution in Adhesively Bonded Joints with Prebent Adherends. Journal of Adhesion, 1980, 11, 233-241.	1.8	21
156	Failure Characterization of a Structural Adhesive. , 1980, , 141-163.		4
157	Dependence of electric conduction on film thickness of conductive adhesives. , 0, , .		0
158	A study on the effect of surface roughness on the strength of single lap joints. , 0, , .		0
159	Pressure dependent conduction behaviour of various particles for conductive adhesive applications. , 0, , .		1
160	Thickness dependent conduction behavior of various particles for conductive adhesive applications. , 0, , .		2
161	Correlation of single lap joint strength, and deformation with joint resistance, surface, and cure conditions. , 0, , .		1
162	Behavior of electronically conductive filled adhesive joints under cyclic loading. I. Experimental approach. , 0, , .		1

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163	Modeling fatigue behavior of electronically conductive adhesive joints under elevated temperature and humidity conditions. , 0, , .		0
164	Modeling filler volume fraction and film thickness effects on conductive adhesive resistivity. , 0, , .		4
165	Correlation of silver migration to the pull out strength of silver wire embedded in an adhesive matrix. , 0, , .		1
166	Direct Fabrication Of High Density Polymer Nano-Dots By Excimer Laser Irradiation Of Block Copolymer Masks. , 0, , 155-176.		1
167	The Effects Of Excimer Laser Irradiation On Surface Morphology Development In Stretched Poly(Ethylene Terephthalate), Poly(Butylene Terephthalate) And Polystyrene Films. , 0, , 33-86.		1
168	Control Of Cylinder-Phase Orientation In SIS Block Copolymer By Homopolymer Blending. , 0, , 341-380.		0
169	Chemorheology Of Epoxy/Nickel Conductive Adhesives During Processing And Cure. , 0, , 301-326.		0
170	Geometric Effects On Multilayer Generic Circuits Fabricated Using Conductive Epoxy/Nickel Adhesives. , 0, , 357-366.		0
171	Stable And Unstable Capillary Flows Of Highly-Filled Epoxy/Nickel Suspensions. , 0, , 367-386.		0