

Dai Gil Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A review of composite bipolar plates in proton exchange membrane fuel cells: Electrical properties and gas permeability. <i>Composite Structures</i> , 2021, 262, 113617.	3.1	54
2	Electrical contact resistance between anode and cathode bipolar plates with respect to surface conditions. <i>Composite Structures</i> , 2018, 189, 79-86.	3.1	24
3	Development of multifunctional carbon composite bipolar plate for vanadium redox flow batteries. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3386-3395.	1.4	8
4	Adhesion characteristics of fiber-exposed glass composites. <i>Composite Structures</i> , 2017, 165, 9-14.	3.1	14
5	Cathode/anode integrated composite bipolar plate for high-temperature PEMFC. <i>Composite Structures</i> , 2017, 167, 144-151.	3.1	46
6	Fuel Cells: Three-dimensional Interlocking Interface: Mechanical Nanofastener for High Interfacial Robustness of Polymer Electrolyte Membrane Fuel Cells (Adv. Mater. 2/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0
7	Experimental Implementation of a New Composite Fabrication Method: Exposing Bare Fibers on the Composite Surface by the Soft Layer Method. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	1
8	Development of non-woven carbon felt composite bipolar plates using the soft layer method. <i>Composite Structures</i> , 2017, 160, 976-982.	3.1	30
9	Three-dimensional Interlocking Interface: Mechanical Nanofastener for High Interfacial Robustness of Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials</i> , 2017, 29, 1603056.	11.1	36
10	Nano carbon/fluoroelastomer composite bipolar plate for a vanadium redox flow battery (VRFB). <i>Composite Structures</i> , 2017, 159, 220-227.	3.1	38
11	Development of the fire retardant glass fabric/carbonized phenolic composite. <i>Composite Structures</i> , 2016, 148, 191-197.	3.1	18
12	Bonding characteristics between carbonized copper and a glass/phenolic composite. <i>Composite Structures</i> , 2016, 147, 294-301.	3.1	3
13	Development of the anode bipolar plate/membrane assembly unit for air breathing PEMFC stack using silicone adhesive bonding. <i>Journal of Power Sources</i> , 2016, 315, 86-95.	4.0	28
14	Shape optimization of the corrugated composite bipolar plate (CCBP) for vanadium redox flow batteries (VRFBs). <i>Composite Structures</i> , 2016, 158, 333-339.	3.1	10
15	Silver nanowire networks embedded in a cure-controlled optical adhesive film for a transparent and highly conductive electrode. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9834-9840.	2.7	31
16	Development of the fire-retardant sandwich structure using an aramid/glass hybrid composite and a phenolic foam-filled honeycomb. <i>Composite Structures</i> , 2016, 158, 227-234.	3.1	37
17	Carbon composite bipolar plate for high-temperature proton exchange membrane fuel cells (HT-PEMFCs). <i>Journal of Power Sources</i> , 2016, 327, 119-126.	4.0	37
18	A microwave foaming method for fabricating glass fiber reinforced phenolic foam. <i>Composite Structures</i> , 2016, 152, 239-246.	3.1	26

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19	Optimum design of the carbon composite bipolar plate (BP) for the open cathode of an air breathing PEMFC. <i>Composite Structures</i> , 2016, 140, 675-683.	3.1	9
20	Electro-mechanical properties of the carbon fabric composites with fibers exposed on the surface. <i>Composite Structures</i> , 2016, 140, 77-83.	3.1	19
21	Carbon/epoxy composite foot structure for biped robots. <i>Composite Structures</i> , 2016, 140, 344-350.	3.1	7
22	Development of a fluoroelastomer/glass fiber composite flow frame for a vanadium redox flow battery (VRFB). <i>Composite Structures</i> , 2016, 145, 113-118.	3.1	9
23	Pressure-resisting capability of the knot area of the primary barrier for a LNG containment system. <i>Ocean Engineering</i> , 2015, 95, 128-133.	1.9	6
24	Cryogenic impact resistance of chopped fiber reinforced polyurethane foam. <i>Composite Structures</i> , 2015, 132, 12-19.	3.1	21
25	Manufacturing of the carbon/phenol composite bipolar plates for PEMFC with continuous hot rolling process. <i>Composite Structures</i> , 2015, 132, 1122-1128.	3.1	19
26	Gasket-integrated carbon/silicone elastomer composite bipolar plate for high-temperature PEMFC. <i>Composite Structures</i> , 2015, 128, 284-290.	3.1	29
27	Fuel Cells: Interlocking Membrane/Catalyst Layer Interface for High Mechanical Robustness of Hydrocarbon-Membrane-Based Polymer Electrolyte Membrane Fuel Cells (<i>Adv. Mater.</i> 19/2015). <i>Advanced Materials</i> , 2015, 27, 3096-3096.	11.1	1
28	Interlocking Membrane/Catalyst Layer Interface for High Mechanical Robustness of Hydrocarbon-Membrane-Based Polymer Electrolyte Membrane Fuel Cells. <i>Advanced Materials</i> , 2015, 27, 2974-2980.	11.1	39
29	Method for exposing carbon fibers on composite bipolar plates. <i>Composite Structures</i> , 2015, 134, 1-9.	3.1	35
30	Durability of graphite coated carbon composite bipolar plates for vanadium redox flow batteries. <i>Composite Structures</i> , 2015, 134, 106-113.	3.1	21
31	Carbon fiber/polyethylene bipolar plate-carbon felt electrode assembly for vanadium redox flow batteries (VRFB). <i>Composite Structures</i> , 2015, 134, 483-492.	3.1	42
32	Composite structures for proton exchange membrane fuel cells (PEMFC) and energy storage systems (ESS): Review. <i>Composite Structures</i> , 2015, 134, 927-949.	3.1	47
33	Radar absorbing composite structures dispersed with nano-conductive particles. <i>Composite Structures</i> , 2015, 122, 23-30.	3.1	60
34	Surface modification of carbon fiber phenolic bipolar plate for the HT-PEMFC with nano-carbon black and carbon felts. <i>Composite Structures</i> , 2015, 119, 630-637.	3.1	19
35	Corrugated carbon/epoxy composite bipolar plate for vanadium redox flow batteries. <i>Composite Structures</i> , 2015, 119, 534-542.	3.1	26
36	Surface crack closing method for the carbon composite bipolar plates of a redox flow battery. <i>Composite Structures</i> , 2015, 119, 436-442.	3.1	13

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37	Composite sandwich endplates with a compliant pressure distributor for a PEM fuel cell. Composite Structures, 2015, 119, 505-512.	3.1	35
38	Optimum design method of a nano-composite radar absorbing structure considering dielectric properties in the X-band frequency range. Composite Structures, 2015, 119, 218-226.	3.1	36
39	Development of a damage tolerant structure for nano-composite radar absorbing structures. Composite Structures, 2015, 119, 107-114.	3.1	17
40	Development of carbon composite bipolar plate (BP) for vanadium redox flow battery (VRFB). Composite Structures, 2014, 109, 253-259.	3.1	52
41	Fracture toughness improvement of polyurethane adhesive joints with chopped glass fibers at cryogenic temperatures. Composite Structures, 2014, 107, 522-527.	3.1	18
42	Glass composite vibration isolating structure for the LNG cargo containment system. Composite Structures, 2014, 107, 469-475.	3.1	18
43	Development of carbon/PEEK composite bipolar plates with nano-conductive particles for High-Temperature PEM fuel cells (HT-PEMFCs). Composite Structures, 2014, 118, 519-527.	3.1	21
44	Hybrid composite low-observable radome composed of E-glass/aramid/epoxy composite sandwich construction and frequency selective surface. Composite Structures, 2014, 117, 98-104.	3.1	38
45	Cryogenic strength of adhesive bridge joints for thermal insulation sandwich constructions. Composite Structures, 2014, 111, 1-12.	3.1	7
46	Cryogenic characteristics of chopped glass fiber reinforced polyurethane foam. Composite Structures, 2014, 107, 476-481.	3.1	40
47	Optimum glass fiber volume fraction in the adhesive for the Al-SUS adhesively bonded joints at cryogenic temperatures. Composite Structures, 2014, 108, 119-128.	3.1	7
48	Dynamic properties of the corrugated stainless steel membrane reinforced with the glass composite pressure resisting structure for LNG carriers. Composite Structures, 2014, 107, 382-388.	3.1	5
49	Conductive particles embedded carbon composite bipolar plates for proton exchange membrane fuel cells. Composite Structures, 2014, 108, 757-766.	3.1	36
50	Ultra high speed curing bipolar plates made of carbon fabric/phenolic composite using acid catalyst for proton exchange membrane fuel cell. Composite Structures, 2014, 108, 1-8.	3.1	6
51	Surface modifications of gasketless carbon composite bipolar plates for gas tightness of PEM fuel cells. International Journal of Hydrogen Energy, 2013, 38, 12343-12352.	3.8	11
52	Development of carbon fabric/graphite hybrid bipolar plate for PEMFC. Composite Structures, 2013, 98, 103-110.	3.1	25
53	Cryogenic sandwich-type insulation board composed of E-glass/epoxy composite and polymeric foams. Composite Structures, 2013, 102, 61-71.	3.1	17
54	Surface modification of carbon fiber/epoxy composites with randomly oriented aramid fiber felt for adhesion strength enhancement. Composites Part A: Applied Science and Manufacturing, 2013, 48, 1-8.	3.8	33

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55	Bonding characteristics and corrosion resistance of silane-cerium-treated aluminum adherend. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 278-293.	1.4	2
56	Composite anti-buckling structure for the corrugations of liquefied hydrogen containers. <i>Composite Structures</i> , 2013, 95, 492-499.	3.1	10
57	Cryogenic reliability of the sandwich insulation board for LNG ship. <i>Composite Structures</i> , 2013, 95, 547-556.	3.1	31
58	Improvement of the adhesive peel strength of the secondary barrier with level difference for LNG containment system. <i>Composite Structures</i> , 2013, 95, 528-538.	3.1	13
59	Carbon composite hybrid bipolar plates with bypass-connected gas diffusion layers for PEM fuel cells. <i>Composite Structures</i> , 2013, 95, 557-563.	3.1	20
60	Bipolar plates made of carbon fabric/phenolic composite reinforced with carbon black for PEMFC. <i>Composite Structures</i> , 2013, 96, 569-575.	3.1	35
61	Contact angle and wettability of hybrid surface-treated metal adherends. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 794-810.	1.4	14
62	Cryogenic Performance of Adhesively Bonded Joints Composed of Thin Metal Adherends. <i>Reviews of Adhesion and Adhesives</i> , 2013, 1, 291-311.	3.3	0
63	Improvement of Fracture Toughness of Stainless Steel Adhesive Joints at Cryogenic Temperature. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1003-1016.	1.4	4
64	Cryogenic Performance of Adhesively Bonded Metal Joints for LNG Containment System. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 969-986.	1.4	14
65	Fracture Toughness Measurement of Adhesively Bonded Joints at Cryogenic Temperatures. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 987-1001.	1.4	4
66	Design of the hybrid composite face with electromagnetic wave transmission characteristics of low-observable radomes. <i>Composite Structures</i> , 2012, 94, 3394-3400.	3.1	17
67	Development of composite-metal hybrid bipolar plates for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12504-12512.	3.8	22
68	Innovative gasketless carbon composite bipolar plates for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 19018-19026.	3.8	22
69	Bipolar plates made of plain weave carbon/epoxy composite for proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4300-4308.	3.8	29
70	Vibration isolation of LNG containment systems due to sloshing with glass fiber composite. <i>Composite Structures</i> , 2012, 94, 469-476.	3.1	12
71	Cryogenic reliability of composite insulation panels for liquefied natural gas (LNG) ships. <i>Composite Structures</i> , 2012, 94, 462-468.	3.1	29
72	Plasma treatment of the carbon fiber bipolar plate for PEM fuel cell. <i>Composite Structures</i> , 2012, 94, 1911-1918.	3.1	38

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73	Improvement of the fracture toughness of adhesively bonded stainless steel joints with aramid fibers at cryogenic temperatures. <i>Composite Structures</i> , 2012, 94, 2982-2989.	3.1	17
74	Radar absorbing sandwich construction composed of CNT, PMI foam and carbon/epoxy composite. <i>Composite Structures</i> , 2012, 94, 3002-3008.	3.1	91
75	In situ Crack Propagation Monitoring in Tubular Adhesive Joints Containing Quartz Nano-particles. <i>Journal of Adhesion Science and Technology</i> , 2011, 25, 1973-1985.	1.4	4
76	Development of the hybrid insert for composite sandwich satellite structures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 1040-1048.	3.8	30
77	A graphite-coated carbon fiber epoxy composite bipolar plate for polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2011, 196, 9868-9875.	4.0	38
78	Aramid/epoxy composites sandwich structures for low-observable radomes. <i>Composites Science and Technology</i> , 2011, 71, 1632-1638.	3.8	68
79	Design of the composite sandwich panel of the hot pad for the bonding of large area adhesive films. <i>Composite Structures</i> , 2011, 94, 102-113.	3.1	20
80	Effects of a damaged composite face to the electromagnetic wave transmission characteristics of low-observable radomes. <i>Composite Structures</i> , 2011, 93, 2740-2747.	3.1	17
81	Flame and silane treatments for improving the adhesive bonding characteristics of aramid/epoxy composites. <i>Composite Structures</i> , 2011, 93, 2696-2705.	3.1	51
82	A single-type aluminum/composite hybrid bipolar plate with surface modification for high efficiency PEMFC. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3087-3095.	3.8	21
83	Pressure resistance of the corrugated stainless steel membranes of LNG carriers. <i>Ocean Engineering</i> , 2011, 38, 592-608.	1.9	38
84	Electromagnetic-carbon surface treatment of composite bipolar plate for high-efficiency polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 1577-1582.	4.0	12
85	Development of a satellite structure with the sandwich T-joint. <i>Composite Structures</i> , 2010, 92, 460-468.	3.1	30
86	Design of a hybrid glass composite anchor for LNG cargo containment systems. <i>Composite Structures</i> , 2010, 92, 469-479.	3.1	6
87	Through-thickness compressive strength of a carbon/epoxy composite laminate. <i>Composite Structures</i> , 2010, 92, 480-487.	3.1	37
88	Tribological behaviors of plasma-treated carbon composite grooved surfaces. <i>Composite Structures</i> , 2010, 92, 1039-1046.	3.1	13
89	Composite endplates with pre-curvature for PEMFC (polymer electrolyte membrane fuel cell). <i>Composite Structures</i> , 2010, 92, 1498-1503.	3.1	36
90	Axiomatic design of the sandwich composite endplate for PEMFC in fuel cell vehicles. <i>Composite Structures</i> , 2010, 92, 1504-1511.	3.1	19

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91	Improvement of the Adhesive Fracture Toughness of Bonded Aluminum Joints Using E-Glass Fibers at Cryogenic Temperature. Journal of Adhesion Science and Technology, 2010, 24, 429-444.	1.4	24
92	Optimum Silane Treatment for the Adhesively Bonded Aluminum Adherends at the Cryogenic Temperature. Journal of Adhesion Science and Technology, 2010, 24, 775-787.	1.4	27
93	Adhesion Characteristics of Carbon Black Embedded Glass/Epoxy Composite. Journal of Adhesion Science and Technology, 2010, 24, 755-773.	1.4	5
94	Nanometer-scale surface modification of epoxy with carbon black and electromagnetic waves. Nanotechnology, 2010, 21, 185305.	1.3	3
95	Improvement of Bonding Characteristics Between the Frequency Selective Surface and E-Glass/Epoxy Composites for Stealth Radomes. Journal of Adhesion Science and Technology, 2009, 23, 215-227.	1.4	12
96	Strength of Double Lap Joints Bonded With Carbon Black Reinforced Adhesive Under Cryogenic Environment. Journal of Adhesion Science and Technology, 2009, 23, 619-638.	1.4	19
97	The design of an optical sensor arrangement for the detection of oil contamination in an adhesively bonded structure of a liquefied natural gas (LNG) ship. Measurement Science and Technology, 2009, 20, 065204.	1.4	12
98	Integrated carbon composite bipolar plate for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2009, 189, 929-934.	4.0	24
99	The Sliding Friction of Hybrid Composite Journal Bearing Under Various Test Conditions. Tribology Letters, 2009, 35, 211-219.	1.2	23
100	Endurance and performance of a composite spherical bearing. Composite Structures, 2009, 87, 71-79.	3.1	25
101	Development of the carbon/phenolic composite shoulder bearing. Composite Structures, 2009, 88, 26-32.	3.1	6
102	Composite sandwich constructions for absorbing the electromagnetic waves. Composite Structures, 2009, 87, 161-167.	3.1	86
103	Development of a spherical bearing with uni-directional carbon/epoxy composite. Composite Structures, 2009, 89, 102-109.	3.1	19
104	Polarization characteristics of a composite stealth radome with a frequency selective surface composed of dipole elements. Composite Structures, 2009, 90, 242-246.	3.1	13
105	Durability Improvement of Co-cured Carbon/Epoxy Composite-Aluminum Laminate With Nano-size Carbon Black at Cryogenic Temperature. Journal of Adhesion Science and Technology, 2009, 23, 639-649.	1.4	5
106	Tensile Strength of Joints Bonded With a Nano-particle-Reinforced Adhesive. Journal of Adhesion Science and Technology, 2009, 23, 95-113.	1.4	36
107	Bipolar plate made of carbon fiber epoxy composite for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2008, 184, 90-94.	4.0	96
108	Low-observable radomes composed of composite sandwich constructions and frequency selective surfaces. Composites Science and Technology, 2008, 68, 2163-2170.	3.8	89

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109	Design and manufacture of hybrid polymer concrete bed for high-speed CNC milling machine. <i>International Journal of Mechanics and Materials in Design</i> , 2008, 4, 113-121.	1.7	78
110	Development of microwave foaming method for phenolic insulation foams. <i>Journal of Materials Processing Technology</i> , 2008, 201, 716-719.	3.1	48
111	Fracture toughness of the nano-particle reinforced epoxy composite. <i>Composite Structures</i> , 2008, 86, 69-77.	3.1	329
112	Application of natural fiber reinforced composites to trenchless rehabilitation of underground pipes. <i>Composite Structures</i> , 2008, 86, 285-290.	3.1	60
113	Smart cure cycles for the adhesive joint of composite structures at cryogenic temperatures. <i>Composite Structures</i> , 2008, 86, 37-44.	3.1	20
114	Characteristics of joining inserts for composite sandwich panels. <i>Composite Structures</i> , 2008, 86, 55-60.	3.1	47
115	Leakage characteristics of the glass fabric composite barriers of LNG ships. <i>Composite Structures</i> , 2008, 86, 27-36.	3.1	30
116	Nanocomposite stealth radomes with frequency selective surfaces. <i>Composite Structures</i> , 2008, 86, 299-305.	3.1	22
117	Dielectric Characteristics of E-glass-Polyester Composite Containing Conductive Carbon Black Powder. <i>Journal of Composite Materials</i> , 2007, 41, 403-417.	1.2	12
118	Reduction of fabrication thermal residual stress of the hybrid co-cured structure using a dielectrometry. <i>Composites Science and Technology</i> , 2007, 67, 29-44.	3.8	20
119	Laminating rule for predicting the dielectric properties of E-glass/epoxy laminate composite. <i>Composite Structures</i> , 2007, 77, 373-382.	3.1	27
120	Measurement of residual stresses in thick composite cylinders by the radial-cut-cylinder-bending method. <i>Composite Structures</i> , 2007, 77, 444-456.	3.1	31
121	Development of the composite RAS (radar absorbing structure) for the X-band frequency range. <i>Composite Structures</i> , 2007, 77, 457-465.	3.1	116
122	Torque transmission capability of composite-metal interference fit joints. <i>Composite Structures</i> , 2007, 78, 584-595.	3.1	27
123	Design and manufacture of stainless steel/carbon epoxy hybrid shaft for cleaning large LCD glass panels. <i>Composite Structures</i> , 2007, 80, 279-289.	3.1	11
124	Adhesive joining of composite journal bearings to back-up metals. <i>Composites Science and Technology</i> , 2007, 67, 3417-3424.	3.8	13
125	Smart cure cycle with cooling and reheating for co-cure bonded steel/carbon epoxy composite hybrid structures for reducing thermal residual stress. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1708-1721.	3.8	50
126	Fatigue characteristics of the bolted joints for unidirectional composite laminates. <i>Composite Structures</i> , 2006, 72, 58-68.	3.1	51

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127	Development of heavy duty hybrid carbon-phenolic hemispherical bearings. Composite Structures, 2006, 73, 88-98.	3.1	30
128	Wear characteristics of carbon-phenolic woven composites mixed with nano-particles. Composite Structures, 2006, 74, 89-98.	3.1	31
129	Effect of compacted wear debris on the tribological behavior of carbon/epoxy composites. Composite Structures, 2006, 74, 136-144.	3.1	24
130	Strength of functionally gradient composite hemispherical bearings. Composite Structures, 2006, 74, 145-152.	3.1	9
131	Binary mixture rule for predicting the dielectric properties of unidirectional E-glass/epoxy composite. Composite Structures, 2006, 74, 153-162.	3.1	49
132	Design of the hybrid composite journal bearing assembled by interference fit. Composite Structures, 2006, 75, 222-230.	3.1	19
133	Development of composite spherical bearing. Composite Structures, 2006, 75, 231-240.	3.1	19
134	Design of hybrid steel/composite circular plate cutting tool structures. Composite Structures, 2006, 75, 250-260.	3.1	15
135	Reduction of residual stresses in thick-walled composite cylinders by smart cure cycle with cooling and reheating. Composite Structures, 2006, 75, 261-266.	3.1	47
136	Effect of the smart cure cycle on the performance of the co-cured aluminum/composite hybrid shaft. Composite Structures, 2006, 75, 276-288.	3.1	25
137	Optimum design of the co-cured double lap joint composed of aluminum and carbon epoxy composite. Composite Structures, 2006, 75, 289-297.	3.1	21
138	EM characteristics of the RAS composed of E-glass/epoxy composite and single dipole FSS element. Composite Structures, 2006, 75, 601-609.	3.1	33
139	Avoidance of fabrication thermal residual stresses in co-cure bonded metal-composite hybrid structures. Journal of Adhesion Science and Technology, 2006, 20, 959-979.	1.4	8
140	Development of the trenchless rehabilitation process for underground pipes based on RTM. Composite Structures, 2005, 68, 267-283.	3.1	15
141	Optimal design of the press fit joint for a hybrid aluminum/composite drive shaft. Composite Structures, 2005, 70, 33-47.	3.1	39
142	Through-thickness compressive strength of carbon-phenolic woven composites. Composite Structures, 2005, 70, 403-412.	3.1	17
143	Damage tolerance of composite toecap. Composite Structures, 2005, 67, 167-174.	3.1	14
144	Composite hybrid valve lifter for automotive engines. Composite Structures, 2005, 71, 26-33.	3.1	14

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145	Tribological behaviors of carbon composite grooved surfaces. <i>Composite Structures</i> , 2005, 71, 238-245.	3.1	15
146	Torsional Fatigue Characteristics of Aluminum-Composite Co-Cured Shafts with Axial Compressive Preload. <i>Journal of Composite Materials</i> , 2004, 38, 737-756.	1.2	18
147	Adhesion characteristics of plasma-surface-treated carbon fiber-epoxy composite with respect to release films used during demolding. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 473-494.	1.4	12
148	Effects of applied pressure and temperature during curing operation on the strength of tubular single-lap adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 87-107.	1.4	17
149	Non-Isothermal in Situ Dielectric Cure Monitoring for Thermosetting Matrix Composites. <i>Journal of Composite Materials</i> , 2004, 38, 977-993.	1.2	25
150	Foreign objects impact damage characteristics of aluminum/composite hybrid drive shaft. <i>Composite Structures</i> , 2004, 66, 377-389.	3.1	22
151	Characterization of electromagnetic properties of polymeric composite materials with free space method. <i>Composite Structures</i> , 2004, 66, 533-542.	3.1	97
152	Optimal design of thrust bearing for high-speed composite air spindles. <i>International Journal of Mechanics and Materials in Design</i> , 2004, 1, 173-197.	1.7	0
153	Design and manufacture of an automotive hybrid aluminum/composite drive shaft. <i>Composite Structures</i> , 2004, 63, 87-99.	3.1	114
154	Design and manufacture of composite high speed machine tool structures. <i>Composites Science and Technology</i> , 2004, 64, 1523-1530.	3.8	77
155	Failure analysis of asbestos-phenolic composite journal bearing. <i>Composite Structures</i> , 2004, 65, 37-46.	3.1	25
156	Manufacturing of composite sandwich robot structures using the co-cure bonding method. <i>Composite Structures</i> , 2004, 65, 307-318.	3.1	12
157	Co-cure bonding method for foam core composite sandwich manufacturing. <i>Composite Structures</i> , 2004, 66, 231-238.	3.1	11
158	Novel applications of composite structures to robots, machine tools and automobiles. <i>Composite Structures</i> , 2004, 66, 17-39.	3.1	25
159	Characteristics of carbon fiber phenolic composite for journal bearing materials. <i>Composite Structures</i> , 2004, 66, 359-366.	3.1	51
160	Thermal characteristics of composite sandwich structures for machine tool moving body applications. <i>Composite Structures</i> , 2004, 66, 429-438.	3.1	24
161	Compaction of thick carbon/phenolic fabric composites with autoclave method. <i>Composite Structures</i> , 2004, 66, 467-477.	3.1	17
162	Failure Modes of Foam Core Sandwich Beams under Static and Impact Loads. <i>Journal of Composite Materials</i> , 2004, 38, 1639-1662.	1.2	92

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163	Clamping effects on the dynamic characteristics of composite machine tool structures. <i>Composite Structures</i> , 2004, 66, 399-407.	3.1	13
164	Design and manufacture of a carbon fiber epoxy rotating boring bar. <i>Composite Structures</i> , 2003, 60, 115-124.	3.1	84
165	In situ cure monitoring of adhesively bonded joints by dielectrometry. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 2111-2130.	1.4	16
166	Peel strength improvement of foam core sandwich beams by epoxy resin impregnation on the foam surface. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 687-701.	1.4	0
167	Investigation of optimal surface treatments for carbon/epoxy composite adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 329-352.	1.4	51
168	Piezoelectric monitoring of the reliability of adhesive joints. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 777-796.	1.4	16
169	Adhesion characteristics of plasma surface treated carbon/epoxy composite. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1017-1037.	1.4	13
170	Adhesion characteristics of carbon/epoxy composites treated with low- and atmospheric pressure plasmas. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1751-1771.	1.4	23
171	Cure Cycle for Thick Glass/Epoxy Composite Laminates. <i>Journal of Composite Materials</i> , 2002, 36, 19-45.	1.2	87
172	Design of carbon fiber composite shafts for high speed air spindles. <i>Composite Structures</i> , 2002, 55, 247-259.	3.1	44
173	Performance of high speed air spindle motor equipped with composite squirrel cage rotor. <i>Composite Structures</i> , 2002, 55, 419-427.	3.1	5
174	Mechanically fastened composite side-door impact beams for passenger cars designed for shear-out failure modes. <i>Composite Structures</i> , 2002, 56, 211-221.	3.1	32
175	Characteristics of plasma surface treated composite adhesive joints at high environmental temperature. <i>Composite Structures</i> , 2002, 57, 37-46.	3.1	52
176	Repair of underground buried pipes with resin transfer molding. <i>Composite Structures</i> , 2002, 57, 67-77.	3.1	22
177	Thrust bearing design for high-speed composite air spindles. <i>Composite Structures</i> , 2002, 57, 149-160.	3.1	11
178	Surface quality and shrinkage of the composite bus housing panel manufactured by RTM. <i>Composite Structures</i> , 2002, 57, 211-220.	3.1	25
179	Dielectric cure monitoring for glass/polyester prepreg composites. <i>Composite Structures</i> , 2002, 57, 91-99.	3.1	82
180	Composite wrist blocks for double arm type robots for handling large LCD glass panels. <i>Composite Structures</i> , 2002, 57, 345-355.	3.1	19

#	ARTICLE	IF	CITATIONS
181	Robust design of a composite air spindle. <i>Polymer Composites</i> , 2002, 23, 361-371.	2.3	6
182	Investigation of Adhesively Bonded Joints for Composite Propeller Shafts. <i>Journal of Composite Materials</i> , 2001, 35, 999-1021.	1.2	27
183	Steel-composite hybrid headstock for high-precision grinding machines. <i>Composite Structures</i> , 2001, 53, 1-8.	3.1	45
184	Manufacture of composite screw rotors for air compressors by RTM process. <i>Journal of Materials Processing Technology</i> , 2001, 113, 196-201.	3.1	17
185	A composite cantilever arm for guiding a moving wire in an electrical discharge wire cutting machine. <i>Journal of Materials Processing Technology</i> , 2001, 113, 172-177.	3.1	6
186	Measurement of the degree of cure of glass fiber-epoxy composites using dielectrometry. <i>Journal of Materials Processing Technology</i> , 2001, 113, 209-214.	3.1	50
187	Damping characteristics of composite hybrid spindle covers for high speed machine tools. <i>Journal of Materials Processing Technology</i> , 2001, 113, 178-183.	3.1	20
188	Impact Characteristics of Glass Fiber Composites with Respect to Fiber Volume Fraction. <i>Journal of Composite Materials</i> , 2001, 35, 27-56.	1.2	27
189	Thermal characteristics of tubular single lap adhesive joints under axial loads. <i>Journal of Adhesion Science and Technology</i> , 2001, 15, 1511-1528.	1.4	26
190	Impact energy absorption characteristics of composite structures. <i>Composite Structures</i> , 2000, 50, 381-390.	3.1	31
191	Optimum design of co-cured steel-composite tubular single lap joints under axial load. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 939-963.	1.4	31
192	The effects of surface roughness and bond thickness on the fatigue life of adhesively bonded tubular single lap joints. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 1085-1102.	1.4	41
193	Development of Composite Pressing Rollers for Thin Film Processing. <i>Journal of Composite Materials</i> , 2000, 34, 770-790.	1.2	4
194	Design and Manufacture of an Aerostatic Spindle Bearing System with Carbon Fiber-Epoxy Composites. <i>Journal of Composite Materials</i> , 2000, 34, 1150-1175.	1.2	17
195	Temperature Rise and Surface Roughness of Carbon Fiber Epoxy Composites during Cut-Off Grinding. <i>Journal of Composite Materials</i> , 2000, 34, 2061-2080.	1.2	11
196	Prediction of the Tensile Load Capability of Co-Cured Steel-Composite Tubular Single Lap Joints Considering Thermal Degradation. <i>Journal of Composite Materials</i> , 2000, 34, 689-722.	1.2	15
197	A study on the lap shear strength of a co-cured single lap joint. <i>Journal of Adhesion Science and Technology</i> , 2000, 14, 123-139.	1.4	35
198	Grinding Characteristics of Carbon Fiber Epoxy Composite Hollow Shafts. <i>Journal of Composite Materials</i> , 2000, 34, 2016-2035.	1.2	22

#	ARTICLE	IF	CITATIONS
199	Interlaminar Shear Behavior of Thick Carbon/Epoxy Composite Materials. Journal of Composite Materials, 1999, 33, 2080-2115.	1.2	15
200	Nonlinear Analysis of the Torque Transmission Capability of Adhesively Bonded Tubular Lap Joints. Journal of Adhesion, 1999, 71, 81-106.	1.8	6
201	Effects of adhesive fillers on the strength of tubular single lap adhesive joints. Journal of Adhesion Science and Technology, 1999, 13, 1343-1360.	1.4	28
202	Composite heddle frame for high-speed looms. Composite Structures, 1999, 47, 507-517.	3.1	10
203	Impact energy absorption characteristics of glass fiber hybrid composites. Composite Structures, 1999, 46, 267-278.	3.1	60
204	Composite robot end effector for manipulating large LCD glass panels. Composite Structures, 1999, 47, 497-506.	3.1	21
205	Damping improvement of machine tool columns with polymer matrix fiber composite material. Composite Structures, 1998, 43, 155-163.	3.1	44
206	Manufacturing of Co-Cured Composite Aluminum Shafts with Compression during Co-Curing Operation to Reduce Residual Thermal Stresses. Journal of Composite Materials, 1998, 32, 1221-1241.	1.2	48
207	Influence of Fabrication Residual Thermal Stresses on Rubber-toughened Adhesive Tubular Single Lap Steel-Steel Joints under Tensile Load. Journal of Adhesion, 1998, 65, 163-185.	1.8	27
208	Hygrothermal effects on the strength of adhesively bonded joints. Journal of Adhesion Science and Technology, 1998, 12, 1253-1275.	1.4	26
209	Development of an Autoclave Cure Cycle with Cooling and Reheating Steps for Thick Thermoset Composite Laminates. Journal of Composite Materials, 1997, 31, 2264-2282.	1.2	53
210	Static and Dynamic Torque Characteristics of Composite Cocured Single Lap Joint. Journal of Composite Materials, 1997, 31, 2188-2201.	1.2	23
211	Torque Capacity of Co-Cured Tubular Lap Joints. Journal of Composite Materials, 1997, 31, 1381-1396.	1.2	30
212	Strength Analysis of Adhesively-Bonded Tubular Single Lap Steel-Steel Joints Under Axial Loads Considering Residual Thermal Stresses. Journal of Adhesion, 1997, 60, 125-140.	1.8	27
213	Design and manufacture of a three-axis ultra-precision CNC grinding machine. Journal of Materials Processing Technology, 1997, 71, 258-266.	3.1	25
214	Mirror surface grinding of ceramics using a three-axis precision cnc grinding machine. International Journal of Machine Tools and Manufacture, 1997, 37, 1499-1510.	6.2	4
215	Composite nozzle dam in the steam generator of a nuclear reactor. Composite Structures, 1997, 38, 203-213.	3.1	2
216	Adhesively bonded lap-joints for the composite-steel shell structure of high-speed vehicles. Composite Structures, 1997, 38, 215-227.	3.1	15

#	ARTICLE	IF	CITATIONS
217	Composite side-door impact beams for passenger cars. Composite Structures, 1997, 38, 229-239.	3.1	70
218	Improvement of the dynamic properties of a steel-composite hybrid flexspline of a harmonic drive. Composite Structures, 1997, 38, 251-260.	3.1	20
219	Manufacture of one-piece automotive drive shafts with aluminum and composite materials. Composite Structures, 1997, 38, 309-319.	3.1	83
220	Development of guide rollers using electroplated carbon fiber-epoxy composite for thin polymer film processing. Composite Structures, 1997, 38, 321-328.	3.1	12
221	Manufacture of a carbon fibre-epoxy composite spindle-bearing system for a machine tool. Composite Structures, 1997, 37, 241-251.	3.1	21
222	Optimum bolted joints for hybrid composite materials. Composite Structures, 1997, 38, 329-341.	3.1	71
223	An Experimental Study of the Static Torque Capacity of the Adhesively-Bonded Tubular Single Lap Joint. Journal of Adhesion, 1996, 55, 245-260.	1.8	46
224	Analysis of dielectric sensors for the cure monitoring of resin matrix composite materials. Sensors and Actuators B: Chemical, 1996, 30, 159-164.	4.0	43
225	Development of the composite third robot arm of the six-axis articulated robot manipulator. Composite Structures, 1996, 35, 331-342.	3.1	9
226	Measurement of the Degree of Cure of Carbon Fiber Epoxy Composite Materials. Journal of Composite Materials, 1996, 30, 1436-1457.	1.2	47
227	Adhesive Joining Technology for Manufacturing of the Composite Flexspline for a Harmonic Drive. Journal of Adhesion, 1996, 55, 329-350.	1.8	2
228	Development of a Fatigue Failure Model for the Adhesively Bonded Tubular Single Lap Joint under Dynamic Torsional Loading. Journal of Adhesion, 1996, 56, 157-169.	1.8	16
229	Development of a strength model for the cocured stepped lap joints under tensile loading. Composite Structures, 1995, 32, 593-600.	3.1	40
230	Torque transmission capabilities of adhesively bonded tubular lap joints for composite drive shafts. Composite Structures, 1995, 30, 229-240.	3.1	27
231	Manufacturing of the traction drive with the glass fiber epoxy composite material. Journal of Materials Processing Technology, 1995, 48, 333-339.	3.1	4
232	Mirror surface grinding characteristics and mechanism of carbon fiber reinforced plastics. Journal of Materials Processing Technology, 1995, 52, 386-398.	3.1	22
233	A study on the composite screw rotors for superchargers. Composite Structures, 1995, 32, 575-581.	3.1	4
234	Development of the composite bumper beam for passenger cars. Composite Structures, 1995, 32, 491-499.	3.1	67

#	ARTICLE	IF	CITATIONS
235	Experimental investigation of the dynamic characteristics of carbon fiber epoxy composite thin beams. <i>Composite Structures</i> , 1995, 33, 77-86.	3.1	11
236	Development of the composite flexspline for a cycloid-type harmonic drive using net shape manufacturing method. <i>Composite Structures</i> , 1995, 32, 557-565.	3.1	17
237	Experimental investigation of the static torque transmission capabilities of the adhesively bonded single lap joints. <i>Journal of Materials Processing Technology</i> , 1995, 48, 341-347.	3.1	8
238	Manufacturing of the composite screw rotors by resin transfer molding. <i>Journal of Materials Processing Technology</i> , 1995, 48, 641-647.	3.1	7
239	A study on the epoxy resin concrete for the ultra-precision machine tool bed. <i>Journal of Materials Processing Technology</i> , 1995, 48, 649-655.	3.1	63
240	Optimal Design of the Adhesively-Bonded Tubular Single Lap Joint. <i>Journal of Adhesion</i> , 1995, 50, 165-180.	1.8	38
241	An Iterative Solution for the Torque Transmission Capability of Adhesively-Bonded Tubular Single Lap Joints with Nonlinear Shear Properties. <i>Journal of Adhesion</i> , 1995, 53, 217-227.	1.8	16
242	Torque Transmission Capabilities of Bonded Polygonal Lap Joints for Carbon Fiber Epoxy Composites. <i>Journal of Adhesion</i> , 1995, 48, 235-250.	1.8	11
243	Expert Cure System for the Carbon Fiber Epoxy Composite Materials. <i>Journal of Composite Materials</i> , 1995, 29, 1181-1200.	1.2	22
244	Application of Adhesive Joining Technology for Manufacturing of the Composite Flexspline for a Harmonic Drive. <i>Journal of Adhesion</i> , 1995, 48, 195-216.	1.8	6
245	Delamination-Free and High Efficiency Drilling of Carbon Fiber Reinforced Plastics. <i>Journal of Composite Materials</i> , 1995, 29, 1988-2002.	1.2	86
246	The Torque Transmission Capabilities of the Adhesively-Bonded Tubular Single Lap Joint and the Double Lap Joint. <i>Journal of Adhesion</i> , 1994, 44, 197-212.	1.8	37
247	Design and manufacture of the composite flexspline of a harmonic drive with adhesive joining. <i>Composite Structures</i> , 1994, 28, 307-314.	3.1	15
248	A Closed-form Solution for the Torque Transmission Capability of the Adhesively Bonded Tubular Double Lap Joint. <i>Journal of Adhesion</i> , 1994, 44, 271-284.	1.8	12
249	On-line cure monitoring and viscosity measurement of carbon fiber epoxy composite materials. <i>Journal of Materials Processing Technology</i> , 1993, 37, 405-416.	3.1	23
250	Development of the anthropomorphic robot with carbon fiber epoxy composite materials. <i>Composite Structures</i> , 1993, 25, 313-324.	3.1	42
251	Development of a Failure Model for the Adhesively Bonded Tubular Single Lap Joint. <i>Journal of Adhesion</i> , 1992, 40, 1-14.	1.8	69
252	Optimal tubular adhesive-bonded lap joint of the carbon fiber epoxy composite shaft. <i>Composite Structures</i> , 1992, 21, 163-176.	3.1	30

#	ARTICLE	IF	CITATIONS
253	Machinability of carbon fiber-epoxy composite materials in turning. Journal of Materials Processing Technology, 1992, 32, 553-570.	3.1	41
254	An Experimental Study of Fatigue Strength for Adhesively Bonded Tubular Single Lap Joints. Journal of Adhesion, 1991, 35, 39-53.	1.8	74
255	Manufacturing of a Scara Type Direct-Drive Robot with Graphite Fiber Epoxy Composite Material. Robotica, 1991, 9, 219-229.	1.3	39
256	Manufacturing of a Graphite Epoxy Composite Spindle for a Machine Tool. CIRP Annals - Manufacturing Technology, 1985, 34, 365-369.	1.7	42