

# Min Li

## List of Publications by Year in descending order

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119  
papers

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all docs

119  
docs citations

119  
times ranked

3748  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of sizing on carbon fiber surface properties and fibers/epoxy interfacial adhesion. Applied Surface Science, 2011, 257, 6980-6985.	6.1	260
2	Interfacial improvement of carbon fiber/epoxy composites using a simple process for depositing commercially functionalized carbon nanotubes on the fibers. Carbon, 2013, 52, 109-121.	10.3	259
3	Characterization of the interphase in carbon fiber/polymer composites using a nanoscale dynamic mechanical imaging technique. Carbon, 2010, 48, 3229-3235.	10.3	136
4	Highly aligned dense carbon nanotube sheets induced by multiple stretching and pressing. Nanoscale, 2014, 6, 4338-4344.	5.6	116
5	Multiscale Simulation Study on the Curing Reaction and the Network Structure in a Typical Epoxy System. Macromolecules, 2011, 44, 8650-8660.	4.8	110
6	Influence of Surface-Initiated Polymerization Rate and Initiator Density on the Properties of Polymer Brushes. Macromolecules, 2009, 42, 2863-2872.	4.8	102
7	Effect of heat treatment on carbon fiber surface properties and fibers/epoxy interfacial adhesion. Applied Surface Science, 2011, 257, 8457-8461.	6.1	102
8	Effects of surface treating methods of high-strength carbon fibers on interfacial properties of epoxy resin matrix composite. Applied Surface Science, 2016, 379, 199-205.	6.1	84
9	Ultra-Lightweight and Highly Adaptive All-Carbon Elastic Conductors with Stable Electrical Resistance. Advanced Functional Materials, 2017, 27, 1606220.	14.9	78
10	Effect of rapid curing process on the properties of carbon fiber/epoxy composite fabricated using vacuum assisted resin infusion molding. Materials & Design, 2014, 54, 624-631.	5.1	72
11	Interlocked CNT networks with high damping and storage modulus. Carbon, 2015, 86, 46-53.	10.3	68
12	Effect of Structure on the Mechanical Behaviors of Three-Dimensional Spacer Fabric Composites. Applied Composite Materials, 2009, 16, 1-14.	2.5	67
13	Enhanced dielectric and mechanical properties in chlorine-doped continuous CNT sheet reinforced sandwich polyvinylidene fluoride film. Carbon, 2016, 107, 405-414.	10.3	62
14	Nano-analysis on the structure and chemical composition of the interphase region in carbon fiber composite. Composites Part A: Applied Science and Manufacturing, 2014, 56, 143-149.	7.6	60
15	Hierarchical carbon nanotube composite yarn muscles. Nanoscale, 2018, 10, 4077-4084.	5.6	60
16	Hot compaction and mechanical properties of ramie fabric/epoxy composite fabricated using vacuum assisted resin infusion molding. Materials & Design, 2014, 56, 852-861.	5.1	58
17	Core-shell SiC/SiO <sub>2</sub> whisker reinforced polymer composite with high dielectric permittivity and low dielectric loss. Materials and Design, 2016, 89, 933-940.	7.0	58
18	Investigation the interphase formation process of carbon fiber/epoxy composites using a multiscale simulation method. Composites Science and Technology, 2013, 86, 117-121.	7.8	57

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19	Comparison of sizing effect of T700 grade carbon fiber on interfacial properties of fiber/BMI and fiber/epoxy. <i>Applied Surface Science</i> , 2012, 263, 326-333.	6.1	56
20	Enhancement of dielectric and electrical properties in BT/SiC/PVDF three-phase composite through microstructure tailoring. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 74, 88-95.	7.6	52
21	Tuning carbon nanotube assembly for flexible, strong and conductive films. <i>Nanoscale</i> , 2015, 7, 3060-3066.	5.6	51
22	Large-Stroke Electrochemical Carbon Nanotube/Graphene Hybrid Yarn Muscles. <i>Small</i> , 2018, 14, e1801883.	10.0	50
23	Tunable BT@SiO <sub>2</sub> core@shell filler reinforced polymer composite with high breakdown strength and release energy density. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 85, 172-180.	7.6	49
24	Improvement in mechanical and thermal properties of phenolic foam reinforced with multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1479-1488.	2.6	46
25	Effect of $\gamma$ irradiation on the properties of basalt fiber reinforced epoxy resin matrix composite. <i>Journal of Nuclear Materials</i> , 2015, 466, 100-107.	2.7	45
26	Mechanical enhancement effect of the interlayer hybrid CNT film/carbon fiber/epoxy composite. <i>Composites Science and Technology</i> , 2018, 166, 176-182.	7.8	44
27	The interfacial strength and fracture characteristics of ethanol and polymer modified carbon nanotube fibers in their epoxy composites. <i>Carbon</i> , 2013, 52, 550-558.	10.3	42
28	Effect of the filler structure of carbon nanomaterials on the electrical, thermal, and rheological properties of epoxy composites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3366-3372.	2.6	42
29	Effect of acidification conditions on the properties of carbon nanotube fibers. <i>Applied Surface Science</i> , 2014, 292, 469-474.	6.1	42
30	Influence of indenter tip roundness on hardness behavior in nanoindentation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 445-446, 323-327.	5.6	41
31	Chemical interaction between carbon fibers and surface sizing. <i>Journal of Applied Polymer Science</i> , 2012, 124, 2127-2132.	2.6	41
32	A simple method for the measurement of compaction and corresponding transverse permeability of composite preregs. <i>Polymer Composites</i> , 2007, 28, 61-70.	4.6	36
33	Numerical and Experimental Study on the Effect of Lay-Up Type and Structural Elements on Thickness Uniformity of L-Shaped Laminates. <i>Applied Composite Materials</i> , 2009, 16, 101-115.	2.5	36
34	A new method to characterize the cure state of epoxy prepreg by dynamic mechanical analysis. <i>Thermochimica Acta</i> , 2009, 487, 8-17.	2.7	36
35	Evaluation of through-thickness permeability and the capillary effect in vacuum assisted liquid molding process. <i>Composites Science and Technology</i> , 2012, 72, 873-878.	7.8	33
36	Carbon nanotube film/epoxy composites with high strength and toughness. <i>Polymer Composites</i> , 2017, 38, 588-596.	4.6	33

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37	Improvement of out-of-plane thermal conductivity of composite laminate by electrostatic flocking. <i>Materials and Design</i> , 2018, 144, 263-270.	7.0	33
38	Effect of sizing on interfacial adhesion of commercial high strength carbon fiber reinforced resin composites. <i>Polymer Composites</i> , 2016, 37, 254-261.	4.6	32
39	Correlated Rules between Complex Structure of Composite Components and Manufacturing Defects in Autoclave Molding Technology. <i>Journal of Reinforced Plastics and Composites</i> , 2009, 28, 2791-2803.	3.1	31
40	Dynamic capillary impact on longitudinal micro-flow in vacuum assisted impregnation and the unsaturated permeability of inner fiber tows. <i>Composites Science and Technology</i> , 2010, 70, 1628-1636.	7.8	30
41	Numerical Simulation and Experimental Study on Consolidation of Toughened Epoxy Resin Composite Laminates. <i>Journal of Composite Materials</i> , 2006, 40, 2257-2277.	2.4	29
42	A modified spray-winding approach to enhance the tensile performance of array-based carbon nanotube composite films. <i>Carbon</i> , 2013, 65, 187-195.	10.3	29
43	Improvement on the tensile performance of buckypaper using a novel dispersant and functionalized carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 55, 102-109.	7.6	29
44	Effects of carbon fiber surface characteristics on interfacial bonding of epoxy resin composite subjected to hygrothermal treatments. <i>Applied Surface Science</i> , 2014, 288, 666-672.	6.1	29
45	Ultrastrong carbon nanotube/ bismaleimide composite film with super-aligned and tightly packing structure. <i>Composites Science and Technology</i> , 2015, 117, 176-182.	7.8	29
46	Void formation model and measuring method of void formation condition during hot pressing process. <i>Polymer Composites</i> , 2010, 31, 1562-1571.	4.6	28
47	Effect of forming temperature on the quality of hot diaphragm formed C-shaped thermosetting composite laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 1074-1087.	3.1	28
48	Imaging the interphase of carbon fiber composites using transmission electron microscopy: Preparations by focused ion beam, ion beam etching, and ultramicrotomy. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 1529-1538.	5.3	28
49	Influences of in-plane and out-of-plane fiber waviness on mechanical properties of carbon fiber composite laminate. <i>Journal of Reinforced Plastics and Composites</i> , 2018, 37, 877-891.	3.1	27
50	Online monitoring and analysis of resin pressure inside composite laminate during zero bleed autoclave process. <i>Polymer Composites</i> , 2011, 32, 314-323.	4.6	26
51	Mechanical properties of surface-treated ramie fiber fabric/epoxy resin composite fabricated by vacuum-assisted resin infusion molding with hot compaction. <i>Journal of Composite Materials</i> , 2016, 50, 1189-1198.	2.4	26
52	Properties of Facesheet-reinforced 3-D Spacer Fabric Composites and the Integral Multi-facesheet Structures. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 793-806.	3.1	24
53	The loading-rate dependent tensile behavior of CNT film and its bismaleimide composite film. <i>Materials and Design</i> , 2017, 117, 37-46.	7.0	23
54	Experimental Investigation on the Co-Cure Processing of Honeycomb Structure with Self-Adhesive Prepreg. <i>Applied Composite Materials</i> , 2008, 15, 47-59.	2.5	22

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55	Macro- and micro-interfacial properties of carbon fiber reinforced epoxy resin composite under hygrothermal treatments. Journal of Reinforced Plastics and Composites, 2014, 33, 369-379.	3.1	22
56	Preparation of high-content hexagonal boron nitride composite film and characterization of atomic oxygen erosion resistance. Applied Surface Science, 2017, 402, 182-191.	6.1	22
57	Atomic oxygen exposure behaviors of CVD-grown carbon nanotube film and its polymer composite film. Composites Part A: Applied Science and Manufacturing, 2015, 71, 116-125.	7.6	21
58	Thermal conductivity enhancement and heat transport mechanism of carbon fiber z-pin graphite composite structures. Composites Part B: Engineering, 2019, 172, 603-611.	12.0	21
59	Influence of Tool Assembly Schemes and Integral Molding Technologies on Compaction of T-stiffened Skins in Autoclave Process. Journal of Reinforced Plastics and Composites, 2010, 29, 1311-1322.	3.1	20
60	Interply friction of carbon fiber/epoxy prepreg stacks under different processing conditions. Journal of Composite Materials, 2014, 48, 515-526.	2.4	20
61	Numerical simulation of two-dimensional flow and compaction during the consolidation of laminated composites. Polymer Composites, 2008, 29, 560-568.	4.6	19
62	Resistance heating forming process based on carbon fiber veil for continuous glass fiber reinforced polypropylene. Journal of Reinforced Plastics and Composites, 2018, 37, 366-380.	3.1	19
63	Numerical and Experimental Study of the Bleeder Flow in Autoclave Process. Applied Composite Materials, 2011, 18, 327-336.	2.5	18
64	Hybrid effect of carbon nanotube film and ultrathin carbon fiber prepreg composites. Journal of Reinforced Plastics and Composites, 2017, 36, 452-463.	3.1	18
65	Numerical Simulation of Flow and Compaction During the Cure of Laminated Composites. Journal of Reinforced Plastics and Composites, 2007, 26, 251-268.	3.1	17
66	Assembly Dependent Interfacial Property of Carbon Nanotube Fibers with Epoxy and Its Enhancement via Generalized Surface Sizing. Advanced Engineering Materials, 2016, 18, 839-845.	3.5	16
67	Through-thickness thermal conductivity enhancement of graphite film/epoxy composite via short duration acidizing modification. Applied Surface Science, 2018, 442, 170-177.	6.1	16
68	Influence of oxidation and distribution of carbon nanotube on mechanical properties of buckypaper/epoxy composites. Journal of Reinforced Plastics and Composites, 2013, 32, 248-257.	3.1	15
69	Co-curing process combining resin film infusion with prepreg and co-cured interlaminar properties of carbon fiber composites. Journal of Composite Materials, 2014, 48, 1709-1724.	2.4	14
70	Reaction of carbon fiber sizing and its influence on the interphase region of composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	14
71	Measurement and analysis on in-plane and through-thickness air permeation of fiber/resin prepreg. Journal of Reinforced Plastics and Composites, 2011, 30, 1467-1479.	3.1	13
72	Role of Tool-Part Interaction in Consolidation of L-Shaped Laminates during Autoclave Process. Applied Composite Materials, 2012, 19, 583-597.	2.5	13

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73	Temperature Distribution and Curing Behaviour of Carbon Fibre/ Epoxy Composite during Vacuum Assisted Resin Infusion Moulding Using Rapid Heating Methods. <i>Polymers and Polymer Composites</i> , 2015, 23, 11-20.	1.9	13
74	Characterization of interfacial toughness in carbon fiber/epoxy resin composite subjected to water aging using single-fiber fragmentation method in an energy-based model. <i>Polymer Composites</i> , 2012, 33, 716-722.	4.6	12
75	Influence of processing temperature on interfacial behavior of HKT800 carbon fiber with BMI and epoxy matrices. <i>Chinese Journal of Aeronautics</i> , 2015, 28, 1255-1262.	5.3	12
76	Strong, flexible and thermal-resistant CNT/polyarylacetylene nanocomposite films. <i>RSC Advances</i> , 2016, 6, 4077-4084.	3.6	12
77	Effects of resin storage aging on rheological property and consolidation of composite laminates. <i>Polymer Composites</i> , 2009, 30, 1081-1090.	4.6	11
78	Influence of core fillers on resin flow and fiber compaction of cocured skin-to-stiffener structures. <i>Polymer Composites</i> , 2010, 31, 1360-1368.	4.6	11
79	Resin pressure and resin flow inside tapered laminates during zero-bleeding and bleeding processes. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 205-214.	3.1	11
80	Investigation of the nanoscale mechanical properties of carbon fiber/epoxy resin interphase. I. analysis of fiber stiffening effect during the nanoindentation process based on numerical simulation. <i>Polymer Composites</i> , 2012, 33, 1387-1394.	4.6	11
81	Investigation of carbon fiber composite stiffened skin with vacuum assisted resin infusion/prepreg co-curing process. <i>Science China Technological Sciences</i> , 2014, 57, 1956-1966.	4.0	11
82	SiC@SiO <sub>2</sub> core@shell filler reinforced polymer composites with high dielectric permittivity and low loss. <i>Materials Letters</i> , 2015, 160, 16-19.	2.6	11
83	Numerical analysis of parametric effects on consolidation of angle-bended composite laminates. <i>Polymer Composites</i> , 2009, 30, 1510-1516.	4.6	10
84	Experimental Investigation of the Compaction and Tensile Strength of Co-cured Skin-to-Stiffener Structures. <i>Applied Composite Materials</i> , 2011, 18, 371-383.	2.5	10
85	Manufacture and characterization of carbon fiber composite stiffened skin by resin film infusion/prepreg co-curing process. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 1559-1573.	3.1	10
86	Property improvements of CNT films induced by wet-stretching and tension-heating post treatments. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 103, 106-112.	7.6	10
87	Numerical simulation of prepreg resin impregnation effect in vacuum-assisted resin infusion/prepreg co-curing process. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 2265-2273.	3.1	9
88	Geometrical Effect on Thermal Conductivity of Unidirectional Fiber-Reinforced Polymer Composite along Different In-plane Orientations. <i>Applied Composite Materials</i> , 2018, 25, 1255-1268.	2.5	9
89	Influence of Fillers in Stiffener Core and Structural Parameters on Compaction of T-Stiffened Skins in Autoclave Process. <i>Polymers and Polymer Composites</i> , 2009, 17, 273-280.	1.9	8
90	Effect of processing temperature on the micro- and macro-interfacial properties of carbon fiber/epoxy composites. <i>Composite Interfaces</i> , 2014, 21, 443-453.	2.3	8

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91	Study on the resin flow and fiber compaction of tapered composite laminates during autoclave processing. Journal of Reinforced Plastics and Composites, 2011, 30, 1399-1411.	3.1	7
92	Competition of diffusion and crosslink on the interphase region in carbon fiber/epoxy analyzed by multiscale simulations. Journal of Applied Polymer Science, 2014, 131, .	2.6	7
93	Bio-inspired design and fabrication of an ultralight and strong nano-carbon gradient composite. Materials and Design, 2016, 107, 198-204.	7.0	7
94	Densification of chlorine-doped continuous CNT sheet/polyvinylidene fluoride sandwich film and improvement of the mechanical and dielectric properties. Nanotechnology, 2018, 29, 035701.	2.6	7
95	Effect of microstructure on the piezoresistive behavior of carbon nanotube composite film. Materials Research Express, 2019, 6, 025034.	1.6	7
96	Statistical Study of Delamination Area Distribution in Composite Components Fabricated by Autoclave Process. Applied Composite Materials, 2009, 16, 285-295.	2.5	6
97	Pressure Transfer Behaviour of Rubber Mould and the Effects on Consolidation of L-Shape Composite Laminates. Polymers and Polymer Composites, 2010, 18, 167-174.	1.9	6
98	Interlaminar properties of carbon fiber composite laminates with resin transfer molding/prepreg co-curing process. Journal of Reinforced Plastics and Composites, 2014, 33, 2228-2241.	3.1	6
99	Structural modification for carbon nanotube film and the composite film by processing optimization. Applied Surface Science, 2015, 349, 156-162.	6.1	6
100	Prediction of the resin fillet size in honeycomb sandwich composites with self-adhesive prepreg skin. Journal of Reinforced Plastics and Composites, 2016, 35, 1566-1575.	3.1	6
101	Piezoresistivity of resin-impregnated carbon nanotube film at high temperatures. Nanotechnology, 2018, 29, 365702.	2.6	6
102	Mode II interlaminar fracture toughness enhancement of fine $\text{ZrO}_2$ reinforced carbon fiber composite with low fraction of pins. Polymer Composites, 2022, 43, 2992-3002.	4.6	6
103	Experimental Study on Crack Defects Formation in Polyarylacetylene Composites and Modification Improvement of Resin. Journal of Composite Materials, 2010, 44, 3017-3032.	2.4	5
104	Evolution of the wettability between carbon fiber and epoxy as a function of temperature and resin curing. Journal of Applied Polymer Science, 2013, 128, 4095-4101.	2.6	5
105	Characterization of torsion behavior and fracture morphology of single carbon fiber. Journal of Composite Materials, 2014, 48, 1993-1999.	2.4	5
106	Rapid curing vacuum-assisted resin infusion molding using silicone rubber sheet heater and the effect of cooling process on the properties of carbon fiber/epoxy composites. Journal of Composite Materials, 2016, 50, 1837-1850.	2.4	5
107	Permeabilities along fiber direction of ramie bundles and through-thickness of ramie fabric stack for liquid composite molding. Journal of Reinforced Plastics and Composites, 2017, 36, 40-52.	3.1	5
108	EPOXY RESIN CURING REACTION STUDIED BY DYNAMIC AND ISOTHERMAL MODEL FREE KINETICS. Acta Polymerica Sinica, 2010, 010, 1016-1022.	0.0	5

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109	Influence of surface state on moisture sensitivity of carbon fiber and its composite interfacial properties. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 757-764.	1.0	4
110	The Fabrication and Properties of a Bendable High-Temperature Resistance Conductive Pitch-Based Carbon/CNT Film Nanocomposite. Nanomaterials, 2021, 11, 758.	4.1	4
111	Pressure window analysis for thin laminated composites in autoclave process. Polymer Composites, 2009, 30, 169-175.	4.6	3
112	Influence of Electrical Heating Metal Mesh and Power Density on Resistance Welding of Carbon Fiber/PEEK Composite. Polymers, 2022, 14, 2563.	4.5	3
113	Numerical Study on Effects of Interaction between Rubber Mould and Lay-up on Consolidation of L-shaped Laminates in Autoclave Process. Polymers and Polymer Composites, 2011, 19, 271-278.	1.9	2
114	Characterization of tensile property of high-performance fiber bundles combined with epoxy resin using advanced video extensometer. Journal of Composite Materials, 2018, 52, 2515-2526.	2.4	2
115	Mechanical and electrical enhancement of super-aligned carbon nanotube film by organic and inorganic doping. Nanotechnology, 2020, 31, 075601.	2.6	2
116	Contact Angle of Epoxy Resin Measured by Capillary Impregnation and the Wilhelmy Technique. Polymers and Polymer Composites, 2006, 14, 251-259.	1.9	1
117	Numerical Simulation Based Process Window for Consolidation of Thermoset Composite Laminates. Polymers and Polymer Composites, 2009, 17, 73-82.	1.9	1
118	Studies on VARTM Forming Z-Stitched Foam Core Sandwich Composites. Polymers and Polymer Composites, 2010, 18, 435-442.	1.9	0
119	Study on Molding Pressure of X-truss/Foam Sandwich Structures. Journal of Composite Materials, 2010, 44, 41-54.	2.4	0