

# Tomohiro Yokozeki

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139  
papers

2,584  
citations

27  
h-index

46  
g-index

148  
ext. papers

3,078  
ext. citations

4.6  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
139	Theory for deformation of laminate with multiple inhomogeneous inclusions. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 234-235, 111291	3.1	0
138	Internal low-velocity impact damage prediction in CFRP laminates using surface profiles and machine learning. <i>Composites Part B: Engineering</i> , <b>2022</b> , 237, 109844	10	0
137	Multi-fidelity progressive damage simulation of notched composite laminates with various ply thicknesses. <i>International Journal of Solids and Structures</i> , <b>2022</b> , 242, 111518	3.1	0
136	Unidirectional CFRP kinking under uniaxial compression modeled using synchrotron radiation computed tomography imaging. <i>Composite Structures</i> , <b>2022</b> , 289, 115458	5.3	0
135	Structural design of Super Pressure Balloon Habitat on the moon. <i>Acta Astronautica</i> , <b>2022</b> , 195, 183-203	2.9	0
134	Experiments on the mode II fracture toughness in ENF tests of CFRP curved beams. <i>Composite Structures</i> , <b>2022</b> , 292, 115692	5.3	0
133	Thickness threshold study of polyaniline-based lightning strike protection coating for carbon/glass fiber reinforced polymer composites. <i>Composite Structures</i> , <b>2021</b> , 280, 114954	5.3	1
132	Analysis of mode II strain energy release rates in end-notched flexure tests of carbon fiber-reinforced plastic curved beams. <i>Composite Structures</i> , <b>2021</b> , 281, 115038	5.3	1
131	Effects of ply thickness and 0°/layer ratio on failure mechanism of open-hole and filled-hole tensile tests of thin-ply composite laminates. <i>Composite Structures</i> , <b>2021</b> , 114926	5.3	2
130	Experimental and numerical analysis of CFRP-SPCC hybrid laminates for automotive and structural applications with cost analysis assessment. <i>Composite Structures</i> , <b>2021</b> , 263, 113707	5.3	3
129	Shock wave filtering of two-dimensional CFRP X-lattice structures: A numerical investigation. <i>Composite Structures</i> , <b>2021</b> , 265, 113743	5.3	1
128	Experimental and numerical studies of the open-hole compressive strength of thin-ply CFRP laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 145, 106365	8.4	4
127	Wave propagation analysis of one-dimensional CFRP lattice structure. <i>Composite Structures</i> , <b>2021</b> , 261, 113306	5.3	3
126	Conductive layer-based multifunctional structural composites for electromagnetic interference shielding. <i>Composite Structures</i> , <b>2021</b> , 261, 113293	5.3	12
125	Fatigue simulation for progressive damage in CFRP laminates using intra-laminar and inter-laminar fatigue damage models. <i>International Journal of Fatigue</i> , <b>2021</b> , 143, 106015	5	7
124	Multi-fidelity Aeroelastic Simulation of a Morphing Wing Trailing Edge <b>2021</b> ,		1
123	Steel plate cold commercial - carbon fiber reinforced plastics hybrid laminates for automotive applications: curing perspective with thermal residual effect. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 14, 2700-2714	5.5	4

122	Simulated lightning strike investigation of CFRP comprising a novel polyaniline/phenol based electrically conductive resin matrix. <i>Composites Science and Technology</i> , <b>2021</b> , 214, 108971	8.6	3
121	Analytical study on the thermal deformation of ultralight phased array antenna. <i>Acta Astronautica</i> , <b>2021</b> , 188, 531-544	2.9	0
120	Damage-mechanics mesoscale modeling of composite laminates considering diffuse and discrete ply damages: Effects of ply thickness. <i>Composite Structures</i> , <b>2021</b> , 277, 114609	5.3	4
119	Effect of heat and moisture on mechanical performance of composite materials used in automotive structures <b>2021</b> , 377-399		
118	Electrically conductive carbon fiber layers as lightning strike protection for non-conductive epoxy-based CFRP substrate. <i>Journal of Composite Materials</i> , <b>2020</b> , 54, 4547-4555	2.7	3
117	Delamination behavior and energy release rate evaluation of CFRP/SPCC hybrid laminates under ENF test: Corrected with residual thermal stresses. <i>Composite Structures</i> , <b>2020</b> , 236, 111890	5.3	7
116	Aero-structural Analysis of Corrugated Morphing Wing with Spanwise Camber Change <b>2020</b> ,		1
115	Gas permeability of CFRP cross-ply laminates with thin-ply barrier layers under cryogenic and biaxial loading conditions. <i>Composite Structures</i> , <b>2020</b> , 245, 112326	5.3	5
114	Polyaniline-based multifunctional glass fiber reinforced conductive composite for strain monitoring. <i>Polymer Testing</i> , <b>2020</b> , 87, 106547	4.5	10
113	Evaluation of the In-situ Damage and Strength Properties of Thin-ply CFRP Laminates by Micro-scale Finite Element Analysis. <i>Journal of the Japan Society for Composite Materials</i> , <b>2020</b> , 46, 212-222	0.1	1
112	Lightning Strike Damage of CF/Epoxy Composite Laminates with Conductive Polymer Layers. <i>Lecture Notes in Mechanical Engineering</i> , <b>2020</b> , 1022-1030	0.4	
111	Factors affecting direct lightning strike damage to fiber reinforced composites: A review. <i>Composites Part B: Engineering</i> , <b>2020</b> , 183, 107688	10	31
110	In-situ observation of tensile failure mode in cross-ply CFRP laminates using Talbot-Lau interferometry. <i>Composite Structures</i> , <b>2020</b> , 253, 112758	5.3	5
109	Comparison of semi-doped PANI/DBSA complex achieved by thermal doping and roll-mill process: A new perspective for application. <i>Polymer</i> , <b>2020</b> , 202, 122723	3.9	3
108	Effect of hot water on the mechanical performance of unidirectional carbon fiber-reinforced nylon 6 composites. <i>Composites Science and Technology</i> , <b>2020</b> , 200, 108426	8.6	18
107	Numerical analysis on the flexural strength of unidirectional CFRTP composites with in-plane fiber bundle waviness. <i>Advanced Composite Materials</i> , <b>2020</b> , 29, 89-100	2.8	13
106	Study of efficient fluid-structure interaction analysis for morphing wing with corrugated structures. <i>Transactions of the JSME (in Japanese)</i> , <b>2019</b> , 85, 19-00083-19-00083	0.2	
105	Improved environmental stability, electrical and EMI shielding properties of vapor-grown carbon fiber-filled polyaniline-based nanocomposite. <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 956-963	2.3	24

104	Nonlinear Aeroelasticity of Morphing Wings with Corrugated Structures <b>2019</b> ,		2
103	Strain sensing behavior of multifunctional polyaniline-based thermoset polymer under static loading conditions. <i>Polymer Testing</i> , <b>2019</b> , 77, 105916	4.5	11
102	Synthesis and characterization of PANI/P-2M conductive composites: Thermal, rheological, mechanical, and electrical properties. <i>Polymer Composites</i> , <b>2019</b> , 40, 4321-4328	3	4
101	Geometrically nonlinear static aeroelastic analysis of composite morphing wing with corrugated structures. <i>Aerospace Science and Technology</i> , <b>2019</b> , 88, 244-257	4.9	27
100	Reduced de-doping and enhanced electrical conductivity of polyaniline filled phenol-divinylbenzene composite for potential lightning strike protection application. <i>Synthetic Metals</i> , <b>2019</b> , 249, 81-89	3.6	13
99	Analysis on temperature-dependent deployment behavior of bi-stable composite rods. <i>Advanced Composite Materials</i> , <b>2019</b> , 28, 245-257	2.8	5
98	Numerical and experimental evaluation of the formation of leakage paths through CFRP cross-ply laminates with leak barrier layers. <i>Composite Structures</i> , <b>2019</b> , 230, 111530	5.3	4
97	Simulation on kink-band formation during axial compression of a unidirectional carbon fiber-reinforced plastic constructed by X-ray computed tomography images. <i>Advanced Composite Materials</i> , <b>2019</b> , 28, 347-363	2.8	17
96	Fabrication of well-isolated graphene and evaluation of thermoelectric performance of polyaniline-graphene composite film. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 3904-3913	4.3	11
95	Introducing a curable dopant with methacrylate functionality for polyaniline based composites. <i>Polymer Testing</i> , <b>2019</b> , 73, 171-177	4.5	2
94	Polyaniline-based all-polymeric adhesive layer: An effective lightning strike protection technology for high residual mechanical strength of CFRPs. <i>Composites Science and Technology</i> , <b>2019</b> , 172, 49-57	8.6	24
93	Interleaved MWCNT buckypaper between CFRP laminates to improve through-thickness electrical conductivity and reducing lightning strike damage. <i>Composite Structures</i> , <b>2019</b> , 210, 581-589	5.3	47
92	Comparison of buckling loads of hyperboloidal and cylindrical lattice structures. <i>Composite Structures</i> , <b>2019</b> , 207, 877-888	5.3	8
91	Optimum Morphing Shape Design for Morphing Wing with Corrugated Structure Using RBF Network <b>2018</b> , 916-930		2
90	Scavenging phenomenon and improved electrical and mechanical properties of polyaniline-divinylbenzene composite in presence of MWCNT. <i>International Journal of Mechanics and Materials in Design</i> , <b>2018</b> , 14, 697-708	2.5	10
89	Simultaneous enhancement of electrical conductivity and mechanical properties in buckypaper-reinforced polydivinylbenzene(doped polyaniline) composites. <i>Composites Science and Technology</i> , <b>2018</b> , 161, 50-56	8.6	4
88	Effect of polyurethane dispersion treatment on the performance improvement of carbon woven fabric-reinforced composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2018</b> , 31, 408-425	1.9	6
87	Enhanced thermomechanical and electrical properties of multiwalled carbon nanotube paper reinforced epoxy laminar composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 104, 129-138	8.4	37

86	Higher performance carbon fiber reinforced thermoplastic composites from thermoplastic prepreg technique: Heat and moisture effect. <i>Composites Part B: Engineering</i> , <b>2018</b> , 154, 90-98	10	13
85	Experimental Investigation of the Compression after Impact Strength of Curved CFRP Laminates. <i>Journal of the Japan Society for Composite Materials</i> , <b>2018</b> , 44, 83-91	0.1	1
84	The enhancement effect of carbon-based nano-fillers/polyaniline hybrids on the through-thickness electric conductivity of carbon fiber reinforced polymer. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 105, 281-290	8.4	20
83	Design of MWCNT bucky paper reinforced PANIDBSADVB composites with superior electrical and mechanical properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12396-12406	7.1	23
82	Effect of through-thickness electrical conductivity of CFRPs on lightning strike damages. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 114, 429-438	8.4	38
81	Frequency independent AC electrical conductivity and dielectric properties of polyaniline-based conductive thermosetting composite. <i>Journal of Polymer Engineering</i> , <b>2018</b> , 38, 955-961	1.4	12
80	Cationic scavenging by polyaniline: Boon or bane from synthesis point of view of its nanocomposites. <i>Polymer</i> , <b>2018</b> , 149, 169-177	3.9	7
79	Mechanical behavior in compression of skin-added X-lattice composite panel with corrugated ribs. <i>Composite Structures</i> , <b>2017</b> , 168, 863-871	5.3	12
78	The decoupling electrical and thermal conductivity of fullerene/polyaniline hybrids reinforced polymer composites. <i>Composites Science and Technology</i> , <b>2017</b> , 144, 160-168	8.6	31
77	Effect of polyurethane dispersion as surface treatment for carbon fabrics on mechanical properties of carbon/Nylon composites. <i>Composites Science and Technology</i> , <b>2017</b> , 151, 268-281	8.6	24
76	Irreversible tunability of through-thickness electrical conductivity of polyaniline-based CFRP by de-doping. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 20-26	8.6	24
75	A comparative study of the mechanical properties and failure behavior of carbon fiber/epoxy and carbon fiber/polyamide 6 unidirectional composites. <i>Composite Structures</i> , <b>2017</b> , 160, 89-99	5.3	72
74	Aero-Structural Evaluation of Morphing Control Surface Using Corrugated Panels. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2017</b> , 15, a7-a15	0.3	0
73	Investigation of the Flexural Properties and Failure Behavior of Unidirectional CF/Nylon 6 and CF/Epoxy Composites. <i>Open Journal of Composite Materials</i> , <b>2017</b> , 07, 227-249	1.1	11
72	Effects of core machining configuration on the debonding toughness of foam core sandwich panels. <i>Advanced Composite Materials</i> , <b>2016</b> , 25, 45-58	2.8	16
71	Electrical conductivity and interlaminar shear strength enhancement of carbon fiber reinforced polymers through synergetic effect between graphene oxide and polyaniline. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 90, 243-249	8.4	35
70	Evaluation of adhesively bonded joint strength of CFRP with laser treatment. <i>Advanced Composite Materials</i> , <b>2016</b> , 25, 317-327	2.8	27
69	Highly conductive graphene oxide/polyaniline hybrid polymer nanocomposites with simultaneously improved mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 82, 100-107	8.4	44

68	Effectiveness of Lightning Damage Protection of CFRP with Polyaniline-Based Conductive Thermoset Matrix. <i>Journal of the Japan Society for Aeronautical and Space Sciences</i> , <b>2016</b> , 64, 223-228	0.1	1
67	Lightning damage suppression in a carbon fiber-reinforced polymer with a polyaniline-based conductive thermoset matrix. <i>Composites Science and Technology</i> , <b>2016</b> , 127, 1-7	8.6	77
66	Development of variable camber wing with morphing leading and trailing sections using corrugated structures. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 2827-2836	2.3	37
65	Investigation into property control of VaRTM composites by resin infusion process. <i>Advanced Composite Materials</i> , <b>2015</b> , 24, 495-507	2.8	5
64	Out-of-plane tensile modulus of CFRP laminates by 3-point bending test. <i>Advanced Composite Materials</i> , <b>2015</b> , 24, 221-237	2.8	6
63	Development and characterization of CFRP using a polyaniline-based conductive thermoset matrix. <i>Composites Science and Technology</i> , <b>2015</b> , 117, 277-281	8.6	62
62	Damage monitoring of polymer-lined carbon fibre-reinforced plastic using small-diameter fibre Bragg grating sensors. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 454-462	2.9	7
61	Damage characterization and numerical modeling of titanium matrix composites subjected to low-velocity impact for landing gear application. <i>Advanced Composite Materials</i> , <b>2015</b> , 24, 343-358	2.8	3
60	Stability of Skin Added Lattice Structure <b>2015</b> ,		3
59	Mechanical Behavior of Composite Lattice Cylinders <b>2014</b> ,		8
58	Development of Variable Camber Morphing Airfoil Using Corrugated Structure. <i>Journal of Aircraft</i> , <b>2014</b> , 51, 1023-1029	1.6	70
57	Comparison of out-of-plane tensile moduli of CFRP laminates obtained by 3-point bending and direct loading tests. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2014</b> , 67, 77-85	8.4	15
56	Titanium alloy foil-inserted carbon fiber/epoxy composites for cryogenic propellant tank application. <i>Advanced Composite Materials</i> , <b>2014</b> , 23, 129-149	2.8	13
55	Development and Wind Tunnel Test of Variable Camber Morphing Wing <b>2014</b> ,		8
54	VaRTM process of composites using porous mold. <i>Advanced Composite Materials</i> , <b>2013</b> , 22, 99-107	2.8	14
53	Out-of-Plane Tensile Modulus of CFRP Laminates by 3-Point Bending Test. <i>Journal of the Japan Society for Composite Materials</i> , <b>2013</b> , 39, 184-192	0.1	3
52	Investigation of shear thinning behavior and microstructures of MWCNT/epoxy and CNF/epoxy suspensions under steady shear conditions. <i>European Polymer Journal</i> , <b>2012</b> , 48, 1042-1049	5.2	18
51	Comparison of out-of-plane tensile strengths of aligned CFRP obtained by 3-point bending and direct loading tests. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 1828-1836	8.4	22

50	Wind tunnel test of Japanese arrows with the JAXA 60-cm magnetic suspension and balance system. <i>Experiments in Fluids</i> , <b>2012</b> , 53, 451-466	2.5	7
49	On the specimen for interfacial fracture toughness evaluation of foam-core sandwich structures. <i>Advanced Composite Materials</i> , <b>2012</b> , 21, 491-503	2.8	3
48	Fracture Toughness of CFRP Adhesive Bonded Joints at Cryogenic Temperature. <i>Journal of Adhesion Science and Technology</i> , <b>2012</b> , 26, 1017-1031	2	10
47	On the Specimen for Evaluation of Interfacial Fracture Toughness of Foam-core Sandwich Structures. <i>Journal of the Japan Society for Composite Materials</i> , <b>2012</b> , 38, 93-100	0.1	
46	Analysis of crack kinking in foam core sandwich beams. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2011</b> , 42, 1493-1499	8.4	12
45	Simplified Predictive Method of Viscosity of Nanofiber-Dispersed Polymer Suspensions. <i>Advanced Composite Materials</i> , <b>2011</b> , 20, 537-546	2.8	5
44	Mode II Fracture Toughness of CFRP Adhesive Bonded Structure at Cryogenic Temperature. <i>Journal of the Japan Society for Composite Materials</i> , <b>2011</b> , 37, 130-137	0.1	4
43	Simplified Predictive Model of Viscosity of Nanoparticle-Dispersed Polymer. <i>Journal of the Japan Society for Composite Materials</i> , <b>2011</b> , 37, 58-62	0.1	
42	Analytical Study on the Fracture Toughness Characterization Tests of Foam Core Sandwich Specimens. <i>Journal of the Japan Society for Aeronautical and Space Sciences</i> , <b>2011</b> , 59, 16-23	0.1	
41	Evaluation of Viscosity of CNT-dispersed Polymer under Various Processing Conditions. <i>Journal of the Japan Society for Composite Materials</i> , <b>2010</b> , 36, 19-24	0.1	2
40	Simplified Method for Predicting Overall Thermomechanical Properties of Cracked Composite Laminates. <i>Journal of Reinforced Plastics and Composites</i> , <b>2010</b> , 29, 675-684	2.9	5
39	Effects of geometry and specimen size on out-of-plane tensile strength of aligned CFRP determined by direct tensile method. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 1425-1433	8.4	23
38	CFRP laminate out-of-plane tensile modulus determined by direct loading. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2010</b> , 41, 1538-1544	8.4	13
37	Energy release rates of bi-material interface crack including residual thermal stresses: Application of crack tip element method. <i>Engineering Fracture Mechanics</i> , <b>2010</b> , 77, 84-93	4.2	29
36	Damage characterization in thin-ply composite laminates under out-of-plane transverse loadings. <i>Composite Structures</i> , <b>2010</b> , 93, 49-57	5.3	89
35	Characterization of Nonlinear Behaviors of CSCNT/Carbon Fiber-Reinforced Epoxy Laminates. <i>Advanced Composite Materials</i> , <b>2009</b> , 18, 251-264	2.8	3
34	Fracture toughness improvement of CFRP laminates by dispersion of cup-stacked carbon nanotubes. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 2268-2273	8.6	83
33	Torsion fatigue behavior of unidirectional carbon/epoxy and glass/epoxy composites. <i>Composite Structures</i> , <b>2009</b> , 90, 482-489	5.3	5

32	Some of the Topics in Composites Research Projects in Japan <b>2009</b> ,		1
31	Permeation-after-impact Properties of CFRP Laminates for Use on Propellant Tank. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan</i> , <b>2009</b> , 7, Pc_19-Pc_23		
30	Energy Release Rate Associated with Interfacial Crack Growth of Laminates Including Residual Thermal Stresses: Application of Crack Tip Element Method. <i>Journal of the Japan Society for Composite Materials</i> , <b>2009</b> , 35, 99-105	0.1	
29	Evaluation of Compressive Nonlinear Response of Unidirectional Carbon Fiber Reinforced Composites using a Modified Sandwich Beam Specimen in Flexure. <i>Journal of Reinforced Plastics and Composites</i> , <b>2008</b> , 27, 5-17	2.9	6
28	Evaluation Method of Adhesive Fracture Toughness Based on Double Cantilever Beam (DCB) Tests Including Residual Thermal Stresses. <i>Advanced Composite Materials</i> , <b>2008</b> , 17, 301-317	2.8	2
27	Correction method for evaluation of interfacial fracture toughness of DCB, ENF and MMB specimens with residual thermal stresses. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 760-767	8.6	40
26	Experimental characterization of strength and damage resistance properties of thin-ply carbon fiber/toughened epoxy laminates. <i>Composite Structures</i> , <b>2008</b> , 82, 382-389	5.3	142
25	Research on the Damage Behaviors of CFRP Laminates with Polymer Films for Cryogenic Tank Application. <i>Journal of the Japan Society for Composite Materials</i> , <b>2008</b> , 34, 3-13	0.1	3
24	Simple constitutive model for nonlinear response of fiber-reinforced composites with loading-directional dependence. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 111-118	8.6	39
23	Linear and nonlinear torsional behavior of unidirectional CFRP and GFRP. <i>Composites Science and Technology</i> , <b>2007</b> , 67, 3457-3464	8.6	7
22	Semi-Empirical Modeling of Gas Permeability Induced by Multilayer Matrix Cracks in Composite Laminates. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2007</b> , 3, 383-398	2.2	2
21	Matrix cracking behaviors in carbon fiber/epoxy laminates filled with cup-stacked carbon nanotubes (CSCNTs). <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 917-924	8.4	134
20	Mechanical properties of CFRP laminates manufactured from unidirectional prepregs using CSCNT-dispersed epoxy. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 2121-2130	8.4	159
19	Mechanical properties of corrugated composites for candidate materials of flexible wing structures. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 1578-1586	8.4	190
18	Nonlinear behavior and compressive strength of unidirectional and multidirectional carbon fiber composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 2069-2079	8.4	49
17	Evaluation of gas leakage through composite laminates with multilayer matrix cracks: Cracking angle effects. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 2815-2824	8.6	32
16	Experimental Cryogenic Gas Leakage Through Damaged Composite Laminates for Propellant Tank Application. <i>Journal of Spacecraft and Rockets</i> , <b>2005</b> , 42, 363-366	1.5	22
15	Effects of layup angle and ply thickness on matrix crack interaction in contiguous plies of composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 1229-1235	8.4	48



14	Consecutive matrix cracking in contiguous plies of composite laminates. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 2785-2802	3.1	27
13	Overall thermoelastic properties of symmetric laminates containing obliquely crossed matrix cracks. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 1647-1654	8.6	38
12	Effects of fiber nonlinear properties on the compressive strength prediction of unidirectional carbon fiber composites. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 2140-2147	8.6	43
11	Effect of on-axis tensile loading on shear properties of an orthogonal 3D woven SiC/SiC composite. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 2541-2549	8.6	9
10	Through-Thickness Connection of Matrix Cracks in Laminate Composites for Propellant Tank. <i>Journal of Spacecraft and Rockets</i> , <b>2005</b> , 42, 647-653	1.5	5
9	Matrix Crack Accumulation Behavior in Multiple Plies of CFRP Laminates. <i>Journal of the Japan Society for Composite Materials</i> , <b>2005</b> , 31, 31-37	0.1	3
8	Pressurization test on CFRP liner-less tanks at liquefied nitrogen temperature. <i>Advanced Composite Materials</i> , <b>2004</b> , 13, 81-88	2.8	6
7	Stress analysis of symmetric laminates with obliquely-crossed matrix cracks. <i>Advanced Composite Materials</i> , <b>2004</b> , 13, 121-140	2.8	14
6	The effect of matrix cracks on gas permeability through CFRP laminates. <i>Advanced Composite Materials</i> , <b>2004</b> , 13, 227-236	2.8	10
5	Gas Permeability of Microcracked Laminates Under Cryogenic Conditions <b>2003</b> ,		10
4	Fatigue growth of matrix cracks in the transverse direction of CFRP laminates. <i>Composites Science and Technology</i> , <b>2002</b> , 62, 1223-1229	8.6	41
3	Transverse Crack Propagation in the Specimen Width Direction of CFRP Laminates under Static Tensile Loadings. <i>Journal of Composite Materials</i> , <b>2002</b> , 36, 2085-2099	2.7	22
2	Transverse crack propagation process across the specimen width in toughened CFRP laminates <b>2001</b> ,		2
1	Simulation on the mechanical performance and fracture behavior of unidirectional carbon fiber-reinforced composites. <i>Journal of Composite Materials</i> , 002199832110201	2.7	