Longbiao Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6075291/publications.pdf

Version: 2024-02-01

174	1,867	304602	434063
papers	citations	22 h-index	31 g-index

189	189	189	407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Micromechanical modeling cyclic loading/unloading hysteresis loops of 3D needle-punched C/SiC ceramic-matrix composites. Composite Interfaces, 2022, 29, 1121-1144.	1.3	5
2	Characterization of cyclic fatigue hysteresis behavior of fiber-reinforced ceramic-matrix composites using inverse tangent modulus. Journal of Composite Materials, 2022, 56, 17-30.	1.2	0
3	Thermal cyclic fatigue damage evolution of fiber-reinforced ceramic-matrix composites under constant loading. Composite Interfaces, 2022, 29, 1033-1052.	1.3	2
4	Nonlinear damage behavior of ceramicâ€“matrix composites under cyclic fatigue loading. , 2022, , 59-87.		0
5	Stochastic loading-dependent nonlinear damage behavior of ceramicâ€“matrix composites. , 2022, , 121-152.		0
6	Effect of thermal fatigue on nonlinear damage behavior of ceramicâ€“matrix composites. , 2022, , 207-230.		0
7	Effect of pyrocarbon interphase texture and thickness on tensile damage and fracture in Tâ€700â„¢ carbon fiberâ€“reinforced silicon carbide minicomposites. Journal of the American Ceramic Society, 2022, 105, 2171-2181.	1.9	14
8	Damage and failure analysis of a SiCf/SiC ceramic matrix composite using digital image correlation and acoustic emission. Ceramics International, 2022, 48, 4699-4709.	2.3	13
9	Characterization and Modeling Damage and Fracture of Prepreg-MI SiC/SiC Composites under Tensile Loading at Room Temperature. Applied Composite Materials, 2022, 29, 1167-1193.	1.3	15
10	Characterization of cyclic loading/unloading damage behavior in fiber-reinforced ceramic-matrix composites using inverse tangent modulus. Journal of the European Ceramic Society, 2022, 42, 1912-1927.	2.8	14
11	Multiple Matrix Cracking Behavior in Ceramic-Matrix Composites at Room Temperature. Advanced Ceramics and Composites, 2022, , 49-65.	0.6	0
12	Matrix Crack Opening Behavior in Ceramic-Matrix Composites at Elevated Temperature. Advanced Ceramics and Composites, 2022, , 105-117.	0.6	0
13	Matrix Cracking in Ceramic-Matrix Composites. Advanced Ceramics and Composites, 2022, , .	0.6	3
14	First Matrix Cracking Behavior in Ceramic-Matrix Composites at Room Temperature. Advanced Ceramics and Composites, 2022, , 15-31.	0.6	0
15	Stochastic fatigue life prediction in C/SiC composites at elevated temperature by micromechanics-based damage model. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 1699-1714.	0.7	1
16	Design, Fabrication, and Mechanical Properties of T-700TM Multiaxial-Warp-Knittingâ€“Needledâ€“C/SiC Composite and Pin. Materials, 2022, 15, 2338.	1.3	5
17	An approach to estimate crack opening displacement in two-dimensional plain-woven silicon carbide fiber-reinforced silicon carbide composite considering different matrix cracking modes. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 2017-2026.	0.7	1
18	Time-dependent creep fatigue damage evolution in C/SiC composite: Theory and analytical prediction. Ceramics International, 2022, 48, 20731-20742.	2.3	8

#	Article	IF	Citations
19	Hysteresis-based identification approach for crack opening and closure stress in SiC/SiC fiber-reinforced ceramic-matrix composites. International Journal of Fatigue, 2022, 162, 106945.	2.8	4
20	Design, fabrication, and testing of CVI-SiC/SiC turbine blisk under different load spectrums at elevated temperature. High Temperature Materials and Processes, 2022, 41, 279-288.	0.6	5
21	Effect of Fiber Type and Orientation on Double-Shear Mechanical Behavior of CVI 2D Plain-Woven and Multi-axial Warp-Knitted C/SiC Pins. Applied Composite Materials, 2022, 29, 1889-1910.	1.3	3
22	Interface wear effects in ceramic composite crack opening. Journal of Composite Materials, 2022, 56, 3371-3384.	1.2	1
23	A cyclic-dependent vibration damping model of fiber-reinforced ceramic-matrix composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 4283-4295.	1.1	5
24	Modeling stress-dependent matrix multiple fractures of fiber-reinforced ceramic-matrix composites considering fiberoxidation and fracture. Composite Interfaces, 2021, 28, 329-361.	1.3	4
25	A micromechanical vibration damping model of fiber-reinforced ceramicâ€“matrix composites considering interface debonding. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 439-455.	0.7	0
26	A micromechanical temperature-dependent vibration damping model of fiber-reinforced ceramic-matrix composites. Composite Structures, 2021, 261, 113297.	3.1	3
27	A micromechanical crack opening displacement model for fiber-reinforced ceramic-matrix composites considering matrix fragmentation. Theoretical and Applied Fracture Mechanics, 2021, 112, 102875.	2.1	9
28	Effect of multiple loading sequence on timeâ€dependent stress rupture of fiberâ€reinforced ceramicâ€matrix composites. International Journal of Applied Ceramic Technology, 2021, 18, 432-448.	1.1	3
29	A micromechanical tension-tension fatigue hysteresis loops model of fiber-reinforced ceramic-matrix composites considering stochastic matrix fragmentation. International Journal of Fatigue, 2021, 143, 106001.	2.8	6
30	Stress rupture of fiber-reinforced ceramic-matrix composites subjected to different stochastic loading spectrums at intermediate temperatures. Journal of the Australian Ceramic Society, 2021, 57, 435-458.	1.1	1
31	Damage and Fracture of Ceramic-Matrix Composites Under Stochastic Loading. Advanced Ceramics and Composites, 2021, , .	0.6	1
32	Hysteresis Loops of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 49-75.	0.6	0
33	Fatigue Life of Ceramic-Matrix Composites Subjected to Stochastic Loading at Elevated Temperature. Advanced Ceramics and Composites, 2021, , 139-169.	0.6	0
34	Fatigue Damage and Fracture of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 171-197.	0.6	0
35	Tensile Damage and Fracture of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 1-48.	0.6	0
36	Micromechanical modeling of cyclic non-closure hysteresis loops of fiber-reinforced ceramic-matrix composites considering variable matrix fragmentation density. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140795.	2.6	4

#	Article	IF	Citations
37	Strain response of fiber-reinforced ceramic-matrix composites subjected to stress-rupture with stochastic load at intermediate temperature. Journal of Composite Materials, 2021, 55, 3035-3048.	1.2	1
38	Time-Dependent Deformation and Fracture Behavior of Fiber-Reinforced Ceramic-Matrix Composites under Stress-Rupture Loading at Intermediate Temperature. Journal of Aerospace Engineering, 2021, 34, 04020111.	0.8	2
39	Damage Evolution and Fracture Behavior of C/SiC Minicomposites with Different Interphases under Uniaxial Tensile Load. Materials, 2021, 14, 1525.	1.3	13
40	Micromechanical modeling of loading rateâ€“dependent tensile damage and fracture behavior in fiber-reinforced ceramic-matrix composites. Journal of the Australian Ceramic Society, 2021, 57, 1005-1025.	1.1	5
41	Micromechanical life prediction method of fiber-reinforced ceramic-matrix composites subjected to stochastic overloading at room temperature. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2368-2381.	0.7	1
42	A micromechanical loading/unloading constitutive model of fiberâ€reinforced ceramicâ€matrix composites considering matrix crack closure. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2389-2411.	1.7	5
43	Improvement of High Temperature Stability of PIP SiC f /SiC Material Through In Situ Grown BNNTs. International Journal of Applied Ceramic Technology, 2021, 18, 2259.	1.1	0
44	Micromechanical Modeling Tensile and Fatigue Behavior of Fiber-Reinforced Ceramic-Matrix Composites Considering Matrix Fragmentation and Closure. Journal of Composites Science, 2021, 5, 187.	1.4	1
45	Damage and Failure Analysis of Fiber-Reinforced Ceramic-Matrix Composites with Different Fiber Preforms Under Stochastic Fatigue Load Spectrum. Journal of Materials Engineering and Performance, 2021, 30, 8349-8368.	1.2	3
46	Effect of stochastic brittle fragmentations on cyclic loading/unloading hysteresis behavior of fiber-reinforced ceramic-matrix composites. Ceramics International, 2021, 47, 23597-23609.	2.3	4
47	In-situ tensile damage and fracture behavior of PIP SiC/SiC minicomposites at room temperature. Journal of the European Ceramic Society, 2021, 41, 6869-6882.	2.8	21
48	Stress-Rupture of Ceramic-Matrix Composites Under Stochastic Loading at Intermediate Temperature. Advanced Ceramics and Composites, 2021, , 77-137.	0.6	0
49	Monotonic and Cyclic Loading/Unloading Tensile Behavior of 3D Needle-Punched C/SiC Ceramic-Matrix Composites. Materials, 2021, 14, 57.	1.3	18
50	Cyclic Thermal Shock Damage Behavior in CVI SiC/SiC High-Pressure Turbine Twin Guide Vanes. Materials, 2021, 14, 6104.	1.3	12
51	Time-dependent matrix fracture of carbon fiber-reinforced silicon carbide ceramic-matrix composites considering interface oxidation. Composite Interfaces, 2020, 27, 551-567.	1.3	6
52	Synergistic effects of temperature and time on proportional limit stress of silicon carbide fiber-reinforced ceramic-matrix composites. Composite Interfaces, 2020, 27, 341-353.	1.3	6
53	Effect of interface damage on tensile behavior of fiber-reinforced ceramic-matrix composites after thermal fatigue loading. Composite Interfaces, 2020, 27, 663-685.	1.3	7
54	Modeling matrix fracture in fiber-reinforced ceramic-matrix composites with different fiber preforms. Textile Reseach Journal, 2020, 90, 909-924.	1.1	11

#	Article	IF	Citations
55	Synergistic effects of stochastic loading stress and time on stress-rupture damage evolution and lifetime of fiber-reinforced ceramic-matrix composites at intermediate temperatures. Ceramics International, 2020, 46, 7792-7812.	2.3	6
56	Modeling Tensile Damage and Fracture Behavior of Fiber-Reinforced Ceramic-Matrix Minicomposites. Materials, 2020, 13, 4313.	1.3	4
57	A time-dependent vibration damping model of fiber-reinforced ceramic-matrix composites at elevated temperature. Ceramics International, 2020, 46, 27031-27045.	2.3	7
58	A Micromechanical Fatigue Limit Stress Model of Fiber-Reinforced Ceramic-Matrix Composites under Stochastic Overloading Stress. Materials, 2020, 13, 3304.	1.3	7
59	A time-dependent tensile constitutive model for long-fiber-reinforced unidirectional ceramic-matrix minicomposites considering interface and fiber oxidation. International Journal of Damage Mechanics, 2020, 29, 1138-1166.	2.4	15
60	Comparison of prior exposure tensile damage and fracture of two-dimensional C/SiC and SiC/SiC fiber-reinforced ceramic-matrix composites. Textile Reseach Journal, 2020, 90, 2782-2794.	1.1	1
61	Effect of Stochastic Loading on Tensile Damage and Fracture of Fiber-Reinforced Ceramic-Matrix Composites. Materials, 2020, 13, 2469.	1.3	8
62	Introduction and overview of ceramic-matrix composites. , 2020, , 1-73.		2
63	Fatigue life prediction of ceramic-matrix composites based on hysteresis dissipated energy. , 2020, , 375-451.		0
64	Effect of pre-fatigue loading on tensile damage and fracture of fiber-reinforced ceramic-matrix composites. Journal of the Australian Ceramic Society, 2020, 56, 1551-1573.	1.1	0
65	Synergistic effects of interface slip and fiber fracture on stress-dependent mechanical hysteresis of SiC/SiC minicomposites. Composite Interfaces, 2020, 27, 937-951.	1.3	6
66	Effect of Interface Properties on Tensile and Fatigue Behavior of 2D Woven SiC/SiC Fiber-Reinforced Ceramic-Matrix Composites. Advances in Materials Science and Engineering, 2020, 2020, 1-17.	1.0	0
67	Comparisons of cyclic fatigue hysteresis between C/SiC and SiC/SiC ceramicâ€“matrix composites with different fiber preforms at room and elevated temperatures. Journal of Composite Materials, 2020, 54, 2723-2737.	1.2	2
68	Modeling Temperature-Dependent Vibration Damping in C/SiC Fiber-Reinforced Ceramic-Matrix Composites. Materials, 2020, 13, 1633.	1.3	8
69	Time-Dependent Mechanical Behavior of Ceramic-Matrix Composites at Elevated Temperatures. Advanced Ceramics and Composites, 2020, , .	0.6	9
70	Cyclic-Dependent Damage Evolution in Self-Healing Woven SiC/[Si-B-C] Ceramic-Matrix Composites at Elevated Temperatures. Materials, 2020, 13, 1478.	1.3	15
71	Effect of temperature on matrix multicracking evolution of C/SiC fiber-reinforced ceramic-matrix composites. High Temperature Materials and Processes, 2020, 39, 189-199.	0.6	4
72	Temperature-dependent proportional limit stress of SiC/SiC fiber-reinforced ceramic-matrix composites. High Temperature Materials and Processes, 2020, 39, 209-218.	0.6	7

#	Article	IF	Citations
73	Research on probabilistic risk assessment of aeroengine rotor failure. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2020, 234, 2337-2347.	0.7	2
74	Time-Dependent Fatigue Behavior of Fiber-Reinforced Ceramic-Matrix Composites at Elevated Temperatures. Advanced Ceramics and Composites, 2020, , 313-360.	0.6	0
75	Damage accumulation and lifetime prediction of fiber-reinforced ceramic-matrix composites under thermomechanical fatigue loading. High Temperature Materials and Processes, 2020, 39, 608-619.	0.6	2
76	Synergistic effects of fiber/matrix interface wear and fibers fracture on matrix multiple cracking in fiber-reinforced ceramic-matrix composites. Composite Interfaces, 2019, 26, 193-219.	1.3	6
77	Modeling matrix multicracking development of fiberâ€reinforced ceramicâ€matrix composites considering fiber debonding. International Journal of Applied Ceramic Technology, 2019, 16, 97-107.	1.1	21
78	Failure analysis of long-fiber-reinforced ceramic-matrix composites subjected to in-phase thermomechanical and isothermal cyclic loading. Engineering Failure Analysis, 2019, 104, 856-872.	1.8	6
79	Thermomechanical fatigue damage evolution of fiber-reinforced ceramicâ€“matrix composites under multiple loading sequences. Advances in Mechanical Engineering, 2019, 11, 168781401984859.	0.8	1
80	Time-dependent damage and fracture of fiber-reinforced ceramic-matrix composites at elevated temperatures. Composite Interfaces, 2019, 26, 963-988.	1.3	16
81	Effect of Cyclic Fatigue Loading on Matrix Multiple Fracture of Fiber-Reinforced Ceramic-Matrix Composites. Ceramics, 2019, 2, 327-346.	1.0	9
82	Mechanical hysteresis and damage evolution in C/SiC composites under fatigue loading at room and elevated temperatures. International Journal of Applied Ceramic Technology, 2019, 16, 2214-2228.	1.1	14
83	Time-dependent proportional limit stress of carbon fiber-reinforced silicon carbide ceramic-matrix composites considering interface oxidation. Journal of the Ceramic Society of Japan, 2019, 127, 279-287.	0.5	13
84	Damage development and lifetime prediction of fiber-reinforced ceramic-matrix composites subjected to cyclic loading at 1300 Â°C in vacuum, inert and oxidative atmospheres. Aerospace Science and Technology, 2019, 86, 613-629.	2.5	18
85	Damage and fracture of fiber-reinforced ceramic-matrix composites under thermal fatigue loading in oxidizing atmosphere. Journal of the Ceramic Society of Japan, 2019, 127, 67-80.	0.5	7
86	Modeling matrix multi-fracture in SiC/SiC ceramic-matrix composites at elevated temperatures. Journal of the Australian Ceramic Society, 2019, 55, 1115-1126.	1.1	5
87	Stress-Rupture of Fiber-Reinforced Ceramic-Matrix Composites with Stochastic Loading at Intermediate Temperatures. Part I: Theoretical Analysis. Materials, 2019, 12, 3123.	1.3	8
88	Thermomechanical fatigue damage development of continuous carbon fiber-reinforced ceramic-matrix composites subjected to different loading sequences and phase angles. Journal of the Australian Ceramic Society, 2019, 55, 443-468.	1.1	1
89	A hysteresis energy dissipation based model for multiple loading damage in continuous fiber-reinforced ceramic-matrix composites. Composites Part B: Engineering, 2019, 162, 259-273.	5.9	5
90	Comparisons of thermomechanical fatigue hysteresis loops of fiber-reinforced ceramic-matrix composites subjected to different phase angles. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 2015-2032.	1.1	1

#	Article	IF	Citations
91	A thermomechanical fatigue hysteresis-based damage evolution model for fiber-reinforced ceramicâ€“matrix composites. International Journal of Damage Mechanics, 2019, 28, 380-403.	2.4	14
92	Damage monitor and life prediction of carbon fiber-reinforced ceramic-matrix composites at room and elevated temperatures using hysteresis dissipated energy-based damage parameter. Composite Interfaces, 2018, 25, 335-356.	1.3	17
93	Damage and fracture of a ceramic matrix composite under isothermal and thermomechanical fatigue loading. Theoretical and Applied Fracture Mechanics, 2018, 95, 218-232.	2.1	6
94	Hysteresis loops of fiber-reinforced ceramic-matrix composites under in-phase/out-of-phase thermomechanical and isothermal cyclic loading. Composite Interfaces, 2018, 25, 855-882.	1.3	5
95	Synergistic effects of temperature, oxidation, and stress level on fatigue hysteresis behavior of cross-ply ceramic-matrix composites at room and elevated temperatures under cyclic loading. Journal of the Australian Ceramic Society, 2018, 54, 11-22.	1.1	3
96	In-phase thermomechanical fatigue damage evolution of long fiber-reinforced ceramic-matrix composites using fatigue hysteresis-based damage parameters. International Journal of Mechanical Sciences, 2018, 140, 189-199.	3.6	5
97	Copula-based reliability analysis for a parallel system with a cold standby. Communications in Statistics - Theory and Methods, 2018, 47, 562-582.	0.6	15
98	Modeling Strength Degradation of Fiber-Reinforced Ceramic-Matrix Composites Subjected to Cyclic Loading at Elevated Temperatures in Oxidative Environments. Applied Composite Materials, 2018, 25, 1-19.	1.3	9
99	Damage development and lifetime prediction of cross-ply ceramic-matrix composites subjected to cyclic loading at room and elevated temperatures. Advances in Applied Ceramics, 2018, 117, 49-61.	0.6	0
100	Damage evolution of carbon fiber-reinforced ceramic-matrix composites with different fiber preforms using the fatigue hysteresis loop area. Textile Reseach Journal, 2018, 88, 532-551.	1.1	7
101	Damage, Fracture, and Fatigue of Ceramic-Matrix Composites. , 2018, , .		53
102	Fatigue Hysteresis Behavior of Ceramic-Matrix Composites. , 2018, , 75-153.		0
103	Interface Damage of Ceramic-Matrix Composites. , 2018, , 155-199.		0
104	Effects of interface bonding properties on cyclic tensile behavior of unidirectional C/Si₃N₄ and SiC/Si₃N₄ composites. International Journal of Applied Ceramic Technology, 2018, 15, 1124-1137.	1.1	9
105	Modeling of the Thermomechanical Fatigue Behavior of Fiber-Reinforced Ceramic-Matrix Composites Subjected to Different Phase Angles. Journal of Aerospace Engineering, 2018, 31, 04018042.	0.8	0
106	5.3 Advanced SiC/SiC Composite Systems. , 2018, , 41-85.		1
107	Damage development and lifetime prediction of fiber-reinforced ceramic-matrix composites subjected to dwell-fatigue loading at elevated temperatures in oxidizing atmosphere. Journal of the Ceramic Society of Japan, 2018, 126, 516-528.	0.5	3
108	Fatigue Life Prediction of Ceramic-Matrix Composites. , 2018, , 201-244.		1

#	Article	IF	Citations
109	Comparisons of interface shear stress degradation rate between C/SiC and SiC/SiC ceramic-matrix composites under cyclic fatigue loading at room and elevated temperatures. Composite Interfaces, 2017, 24, 171-202.	1.3	27
110	Damage evolution and life prediction of different 2D woven ceramic-matrix composites at room and elevated temperatures based on hysteresis loops. Engineering Fracture Mechanics, 2017, 173, 1-20.	2.0	4
111	Synergistic Effects of Frequency and Temperature on Damage Evolution and Life Prediction of Cross-Ply Ceramic Matrix Composites under Tension-Tension Fatigue Loading. Applied Composite Materials, 2017, 24, 1061-1088.	1.3	5
112	Damage evolution of cross-ply ceramic-matrix composites under stress-rupture and cyclic loading at elevated temperatures in oxidizing atmosphere. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 315-321.	2.6	27
113	Modeling strength degradation of fiber-reinforced ceramic-matrix composites under cyclic loading at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 695, 221-229.	2.6	24
114	Modeling first matrix cracking stress of fiber-reinforced ceramic-matrix composites considering fiber fracture. Theoretical and Applied Fracture Mechanics, 2017, 92, 24-32.	2.1	26
115	Synergistic Effects of Temperature, Oxidation and Multicracking Modes on Damage Evolution and Life Prediction of 2D Woven Ceramic-Matrix Composites under Tension-Tension Fatigue Loading. Applied Composite Materials, 2017, 24, 965-981.	1.3	1
116	Fatigue Hysteresis Behavior of Unidirectional SiC/Si3N4 Composite at Elevated Temperature under Tension-Tension Loading. Applied Composite Materials, 2017, 24, 1217-1232.	1.3	2
117	Synergistic effects of temperature, oxidation, loading frequency and stress-rupture on damage evolution of cross-ply ceramic-matrix composites under cyclic fatigue loading at elevated temperatures in oxidizing atmosphere. Engineering Fracture Mechanics, 2017, 175, 15-30.	2.0	25
118	Fatigue hysteresis behavior in fiber-reinforced ceramic-matrix composites at room and elevated temperatures. Ceramics International, 2017, 43, 2614-2624.	2.3	23
119	Damage and failure of fiber-reinforced ceramic-matrix composites subjected to cyclic fatigue, dwell fatigue and thermomechanical fatigue. Ceramics International, 2017, 43, 13978-13996.	2.3	13
120	Synergistic Effects of Temperature, Oxidation and Stress Level on Fatigue Damage Evolution and Lifetime Prediction of Cross-Ply SiC/CAS Ceramic-Matrix Composites Through Hysteresis-Based Parameters. Journal of Materials Engineering and Performance, 2017, 26, 5681-5693.	1.2	5
121	Fatigue Life Prediction of 2D Woven Ceramic-Matrix Composites at Room and Elevated Temperatures. Journal of Materials Engineering and Performance, 2017, 26, 1209-1222.	1.2	5
122	Synergistic Effects of Temperature and Oxidation on Matrix Cracking in Fiber-Reinforced Ceramic-Matrix Composites. Applied Composite Materials, 2017, 24, 691-715.	1.3	7
123	Effects of loading type, temperature and oxidation on mechanical hysteresis behavior of carbon fiber-reinforced ceramic-matrix composites. Engineering Fracture Mechanics, 2017, 169, 336-353.	2.0	8
124	Modeling matrix cracking of fiber-reinforced ceramic-matrix composites under oxidation environment at elevated temperature. Theoretical and Applied Fracture Mechanics, 2017, 87, 110-119.	2.1	20
125	Synergistic effects of fiber debonding and fracture on matrix cracking in fiber-reinforced ceramic-matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 682, 482-490.	2.6	44
126	Modeling thermomechanical fatigue hysteresis loops of long-fiber-reinforced ceramic-matrix composites under out-of-phase cyclic loading condition. International Journal of Fatigue, 2017, 105, 34-42.	2.8	13

#	Article	IF	Citations
127	Synergistic Effects of Stress-Rupture and Cyclic Loading on Strain Response of Fiber-Reinforced Ceramic-Matrix Composites at Elevated Temperature in Oxidizing Atmosphere. Materials, 2017, 10, 182.	1.3	21
128	Fatigue Damage and Lifetime of SiC/SiC Ceramic-Matrix Composite under Cyclic Loading at Elevated Temperatures. Materials, 2017, 10, 371.	1.3	12
129	Comparison of Cyclic Hysteresis Behavior between Cross-Ply C/SiC and SiC/SiC Ceramic-Matrix Composites. Materials, 2016, 9, 62.	1.3	7
130	Fatigue Life Prediction of Fiber-Reinforced Ceramic-Matrix Composites with Different Fiber Preforms at Room and Elevated Temperatures. Materials, 2016, 9, 207.	1.3	18
131	Modeling Cyclic Fatigue Hysteresis Loops of 2D Woven Ceramic Matrix Composites at Elevated Temperatures in Steam. Materials, 2016, 9, 421.	1.3	3
132	Comparison of Fatigue Life Between C/SiC and SiC/SiC Ceramic-Matrix Composites at Room and Elevated Temperatures. Applied Composite Materials, 2016, 23, 913-952.	1.3	12
133	Comparison of cyclic fatigue behavior between C/SiC and SiC/SiC ceramic-matrix composites at elevated temperatures using hysteresis dissipated energy. Composite Structures, 2016, 150, 41-52.	3.1	6
134	Modeling for cyclic loading/unloading hysteresis loops of carbon fiber-reinforced ceramic-matrix composites at room and elevated temperatures. Part I: Theoretical analysis. Engineering Fracture Mechanics, 2016, 164, 117-136.	2.0	9
135	Modeling for cyclic loading/unloading hysteresis loops of fiber-reinforced ceramic-matrix composites at room and elevated temperatures. Part II: Experimental comparisons. Engineering Fracture Mechanics, 2016, 164, 137-154.	2.0	10
136	Effects of temperature, oxidation and fiber preforms on interface shear stress degradation in fiber-reinforced ceramic-matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 588-603.	2.6	9
137	Hysteresis loops of carbon fiber-reinforced ceramic-matrix composites with different fiber preforms. Ceramics International, 2016, 42, 16535-16551.	2.3	28
138	Effects of Temperature, Oxidation and Fiber Preforms on Fatigue Life of Carbon Fiber-Reinforced Ceramic-Matrix Composites. Applied Composite Materials, 2016, 23, 799-819.	1.3	8
139	Relationship Between Hysteresis Dissipated Energy and Temperature Rising in Fiber-Reinforced Ceramic-Matrix Composites Under Cyclic Loading. Applied Composite Materials, 2016, 23, 337-355.	1.3	6
140	Modeling the Effect of Multiple Matrix Cracking Modes on Cyclic Hysteresis Loops of 2D Woven Ceramic-Matrix Composites. Applied Composite Materials, 2016, 23, 555-581.	1.3	4
141	Modeling cyclic fatigue hysteresis loops of 2D woven ceramic-matrix composite at elevated temperatures in air considering multiple matrix cracking modes. Theoretical and Applied Fracture Mechanics, 2016, 85, 246-261.	2.1	5
142	Damage development in fiber-reinforced ceramic-matrix composites under cyclic fatigue loading using hysteresis loops at room and elevated temperatures. International Journal of Fracture, 2016, 199, 39-58.	1.1	18
143	Damage Monitoring of Unidirectional C/SiC Ceramic-Matrix Composite under Cyclic Fatigue Loading using A Hysteresis Loss Energy-Based Damage Parameter at Room and Elevated Temperatures. Applied Composite Materials, 2016, 23, 357-374.	1.3	15
144	Cyclic fatigue behavior of carbon fiber-reinforced ceramicâ€“matrix composites at room and elevated temperatures with different fiber preforms. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 654, 368-378.	2.6	10

#	Article	IF	Citations
145	Fatigue Hysteresis of Carbon Fiber-Reinforced Ceramic-Matrix Composites at Room and Elevated Temperatures. Applied Composite Materials, 2016, 23, 1-27.	1.3	46
146	Modeling the Tensile Strength of Carbon FiberÂâˆ’ÂReinforced CeramicÂâˆ’ÂMatrix Composites Under Multiple Fatigue Loading. Applied Composite Materials, 2016, 23, 313-336.	1.3	7
147	Fatigue Life Prediction of Carbon Fiber-Reinforced Ceramic-Matrix Composites at Room and Elevated Temperatures. Part I: Experimental Analysis. Applied Composite Materials, 2016, 23, 101-117.	1.3	15
148	Comparisons of Damage Evolution between 2D C/SiC and SiC/SiC Ceramic-Matrix Composites under Tension-Tension Cyclic Fatigue Loading at Room and Elevated Temperatures. Materials, 2016, 9, 844.	1.3	8
149	Tension-Tension Fatigue Behavior of Unidirectional C/Sic Ceramic-Matrix Composite at Room Temperature and 800 Â°C in Air Atmosphere. Materials, 2015, 8, 3316-3333.	1.3	24
150	Damage Evolution and Life Prediction of Cross-Ply C/SiC Ceramic-Matrix Composite under Cyclic Fatigue Loading at Room Temperature and 800 Â°C in Air. Materials, 2015, 8, 8539-8560.	1.3	20
151	Fatigue Life Prediction of Carbon Fiber-Reinforced Ceramic-Matrix Composites at Room and Elevated Temperatures. Part II: Experimental Comparisons. Applied Composite Materials, 2015, 22, 961-972.	1.3	17
152	Micromechanical Modeling for Tensile Behaviour of Carbon Fiber â˜’ Reinforced Ceramic â˜’ Matrix Composites. Applied Composite Materials, 2015, 22, 773-790.	1.3	24
153	Modeling the Effect of Oxidation on Tensile Strength of Carbon Fiberâ˜’Reinforced Ceramicâ˜’Matrix Composites. Applied Composite Materials, 2015, 22, 921-943.	1.3	8
154	Modeling for Fatigue Hysteresis Loops of Carbon Fiber-Reinforced Ceramic-Matrix Composites under Multiple Loading Stress Levels. Applied Composite Materials, 2015, 22, 945-959.	1.3	5
155	A hysteresis dissipated energy-based parameter for damage monitoring of carbon fiber-reinforced ceramicâ€“matrix composites under fatigue loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 634, 188-201.	2.6	28
156	Effect of Fiber Poisson Contraction on Matrix Multicracking Evolution of Fiber-Reinforced Ceramic-Matrix Composites. Applied Composite Materials, 2015, 22, 583-598.	1.3	14
157	Modeling for Matrix Multicracking Evolution of Cross-ply Ceramic-Matrix Composites Using Energy Balance Approach. Applied Composite Materials, 2015, 22, 733-755.	1.3	5
158	Modeling the Effect of Interface Wear on Fatigue Hysteresis Behavior of Carbon Fiber-Reinforced Ceramic-Matrix Composites. Applied Composite Materials, 2015, 22, 887-920.	1.3	20
159	Micromechanics modeling of fatigue hysteresis loops in carbon fiber-reinforced ceramic-matrix composites. Journal of Composite Materials, 2015, 49, 3471-3495.	1.2	7
160	Synergistic effect of arbitrary loading sequence and interface wear on the fatigue hysteresis loops of carbon fiber-reinforced ceramic-matrix composites. Engineering Fracture Mechanics, 2015, 146, 67-88.	2.0	12
161	A hysteresis dissipated energy-based damage parameter for life prediction of carbon fiber-reinforced ceramic-matrix composites under fatigue loading. Composites Part B: Engineering, 2015, 82, 108-128.	5.9	40
162	Cyclic loading/unloading hysteresis behavior of fiber-reinforced ceramicâ€“matrix composites at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 235-242.	2.6	6

#	Article	IF	Citations
163	Fatigue hysteresis behavior of unidirectional C/SiC ceramicâ€“matrix composite at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 1-18.	2.6	23
164	Effect of matrix cracking on hysteresis behavior of cross-ply ceramic matrix composites. Journal of Composite Materials, 2014, 48, 1505-1530.	1.2	30
165	Modeling fatigue hysteresis behavior of unidirectional C/SiC ceramicâ€“matrix composite. Composites Part B: Engineering, 2014, 66, 466-474.	5.9	36
166	Assessment of the interfacial properties from fatigue hysteresis loss energy in ceramic-matrix composites with different fiber preforms at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 613, 17-36.	2.6	29
167	Estimate Interface Shear Stress of Unidirectional C/SiC Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2013, 20, 693-707.	1.3	44
168	Modeling Loading/Unloading Hysteresis Behavior of Unidirectional C/SiC Ceramic Matrix Composites. Applied Composite Materials, 2013, 20, 655-672.	1.3	26
169	Modeling hysteresis behavior of cross-ply C/SiC ceramic matrix composites. Composites Part B: Engineering, 2013, 53, 36-45.	5.9	42
170	Estimate Interface Shear Stress of Woven Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2013, 20, 993-1005.	1.3	46
171	Fatigue hysteresis behavior of cross-ply C/SiC ceramic matrix composites at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 586, 160-170.	2.6	53
172	An Approach to Estimate Interface Shear Stress of Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2010, 17, 309-328.	1.3	66
173	Hysteresis of Ceramic-Matrix Composites. , 0, , .		0
174	Cyclic-fatigue life prediction in C/SiC composites subjected to stochastic load spectra with hold cycles. Mechanics of Time-Dependent Materials, 0, , 1.	2.3	0