Longbiao Li

List of Publications by Year
in descending order

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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	An Approach to Estimate Interface Shear Stress of Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2010, 17, 309-328.	1.3	66
2	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
3	Damage, Fracture, and Fatigue of Ceramic-Matrix Composites. , 2018, , .		53
4	Estimate Interface Shear Stress of Woven Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2013, 20, 993-1005.	1.3	46
5	Fatigue Hysteresis of Carbon Fiber-Reinforced Ceramic-Matrix Composites at Room and Elevated Temperatures. Applied Composite Materials, 2016, 23, 1-27.	1.3	46
6	Estimate Interface Shear Stress of Unidirectional C/SiC Ceramic Matrix Composites from Hysteresis Loops. Applied Composite Materials, 2013, 20, 693-707.	1.3	44
7	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
8	Modeling hysteresis behavior of cross-ply C/SiC ceramic matrix composites. Composites Part B: Engineering, 2013, 53, 36-45.	5.9	42
9	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
10	Modeling fatigue hysteresis behavior of unidirectional C/SiC ceramicâ€“matrix composite. Composites Part B: Engineering, 2014, 66, 466-474.	5.9	36
11	Effect of matrix cracking on hysteresis behavior of cross-ply ceramic matrix composites. Journal of Composite Materials, 2014, 48, 1505-1530.	1.2	30
12	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
13	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
14	Hysteresis loops of carbon fiber-reinforced ceramic-matrix composites with different fiber preforms. Ceramics International, 2016, 42, 16535-16551.	2.3	28
15	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
16	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
17	Modeling Loading/Unloading Hysteresis Behavior of Unidirectional C/SiC Ceramic Matrix Composites. Applied Composite Materials, 2013, 20, 655-672.	1.3	26
18	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

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19	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
20	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
21	Micromechanical Modeling for Tensile Behaviour of Carbon Fiber â˜’ Reinforced Ceramic â˜’ Matrix Composites. Applied Composite Materials, 2015, 22, 773-790.	1.3	24
22	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
23	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
24	Fatigue hysteresis behavior in fiber-reinforced ceramic-matrix composites at room and elevated temperatures. Ceramics International, 2017, 43, 2614-2624.	2.3	23
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Monotonic and Cyclic Loading/Unloading Tensile Behavior of 3D Needle-Punched C/SiC Ceramic-Matrix Composites. Materials, 2021, 14, 57.	1.3	18
35	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
36	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

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37	Time-dependent damage and fracture of fiber-reinforced ceramic-matrix composites at elevated temperatures. Composite Interfaces, 2019, 26, 963-988.	1.3	16
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	Damage Evolution and Fracture Behavior of C/SiC Minicomposites with Different Interphases under Uniaxial Tensile Load. Materials, 2021, 14, 1525.	1.3	13
53	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
54	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

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55	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
56	Fatigue Damage and Lifetime of SiC/SiC Ceramic-Matrix Composite under Cyclic Loading at Elevated Temperatures. Materials, 2017, 10, 371.	1.3	12
57	Cyclic Thermal Shock Damage Behavior in CVI SiC/SiC High-Pressure Turbine Twin Guide Vanes. Materials, 2021, 14, 6104.	1.3	12
58	Modeling matrix fracture in fiber-reinforced ceramic-matrix composites with different fiber preforms. Textile Reseach Journal, 2020, 90, 909-924.	1.1	11
59	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
60	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
61	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
62	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
63	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
64	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
65	Effect of Cyclic Fatigue Loading on Matrix Multiple Fracture of Fiber-Reinforced Ceramic-Matrix Composites. Ceramics, 2019, 2, 327-346.	1.0	9
66	Time-Dependent Mechanical Behavior of Ceramic-Matrix Composites at Elevated Temperatures. Advanced Ceramics and Composites, 2020, , .	0.6	9
67	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
68	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
69	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
70	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
71	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
72	Effect of Stochastic Loading on Tensile Damage and Fracture of Fiber-Reinforced Ceramic-Matrix Composites. Materials, 2020, 13, 2469.	1.3	8

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73	Modeling Temperature-Dependent Vibration Damping in C/SiC Fiber-Reinforced Ceramic-Matrix Composites. Materials, 2020, 13, 1633.	1.3	8
74	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
75	Time-dependent creep fatigue damage evolution in C/SiC composite: Theory and analytical prediction. Ceramics International, 2022, 48, 20731-20742.	2.3	8
76	Micromechanics modeling of fatigue hysteresis loops in carbon fiber-reinforced ceramic-matrix composites. Journal of Composite Materials, 2015, 49, 3471-3495.	1.2	7
77	Comparison of Cyclic Hysteresis Behavior between Cross-Ply C/SiC and SiC/SiC Ceramic-Matrix Composites. Materials, 2016, 9, 62.	1.3	7
78	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
79	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
80	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
81	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
82	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
83	A time-dependent vibration damping model of fiber-reinforced ceramic-matrix composites at elevated temperature. Ceramics International, 2020, 46, 27031-27045.	2.3	7
84	A Micromechanical Fatigue Limit Stress Model of Fiber-Reinforced Ceramic-Matrix Composites under Stochastic Overloading Stress. Materials, 2020, 13, 3304.	1.3	7
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	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
98	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
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	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

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109	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
110	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
111	Design, Fabrication, and Mechanical Properties of T-700TM Multiaxial-Warp-Knittingâ€“Needledâ€“C/SiC Composite and Pin. Materials, 2022, 15, 2338.	1.3	5
112	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
113	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
114	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
115	Modeling Tensile Damage and Fracture Behavior of Fiber-Reinforced Ceramic-Matrix Minicomposites. Materials, 2020, 13, 4313.	1.3	4
116	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
117	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
118	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
119	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
120	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
121	Modeling Cyclic Fatigue Hysteresis Loops of 2D Woven Ceramic Matrix Composites at Elevated Temperatures in Steam. Materials, 2016, 9, 421.	1.3	3
122	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
123	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
124	A micromechanical temperature-dependent vibration damping model of fiber-reinforced ceramic-matrix composites. Composite Structures, 2021, 261, 113297.	3.1	3
125	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
126	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

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127	Matrix Cracking in Ceramic-Matrix Composites. Advanced Ceramics and Composites, 2022, , .	0.6	3
128	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
129	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
130	Introduction and overview of ceramic-matrix composites. , 2020, , 1-73.		2
131	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
132	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
133	Thermal cyclic fatigue damage evolution of fiber-reinforced ceramic-matrix composites under constant loading. Composite Interfaces, 2022, 29, 1033-1052.	1.3	2
134	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
135	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
136	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
137	5.3 Advanced SiC/SiC Composite Systems. , 2018, , 41-85.		1
138	Thermomechanical fatigue damage evolution of fiber-reinforced ceramicâ€“matrix composites under multiple loading sequences. Advances in Mechanical Engineering, 2019, 11, 168781401984859.	0.8	1
139	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
140	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
141	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
142	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
143	Damage and Fracture of Ceramic-Matrix Composites Under Stochastic Loading. Advanced Ceramics and Composites, 2021, , .	0.6	1
144	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

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145	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
146	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
147	Fatigue Life Prediction of Ceramic-Matrix Composites. , 2018, , 201-244.		1
148	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
149	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
150	Interface wear effects in ceramic composite crack opening. Journal of Composite Materials, 2022, 56, 3371-3384.	1.2	1
151	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
152	Fatigue Hysteresis Behavior of Ceramic-Matrix Composites. , 2018, , 75-153.		0
153	Interface Damage of Ceramic-Matrix Composites. , 2018, , 155-199.		0
154	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
155	Fatigue life prediction of ceramic-matrix composites based on hysteresis dissipated energy. , 2020, , 375-451.		0
156	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
157	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
158	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
159	Hysteresis Loops of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 49-75.	0.6	0
160	Fatigue Life of Ceramic-Matrix Composites Subjected to Stochastic Loading at Elevated Temperature. Advanced Ceramics and Composites, 2021, , 139-169.	0.6	0
161	Fatigue Damage and Fracture of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 171-197.	0.6	0
162	Tensile Damage and Fracture of Ceramic-Matrix Composites Subjected to Stochastic Loading. Advanced Ceramics and Composites, 2021, , 1-48.	0.6	0

#	Article	IF	Citations
163	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
164	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
165	Nonlinear damage behavior of ceramicâ€“matrix composites under cyclic fatigue loading. , 2022, , 59-87.		0
166	Stochastic loading-dependent nonlinear damage behavior of ceramicâ€“matrix composites. , 2022, , 121-152.		0
167	Effect of thermal fatigue on nonlinear damage behavior of ceramicâ€“matrix composites. , 2022, , 207-230.		0
168	Stress-Rupture of Ceramic-Matrix Composites Under Stochastic Loading at Intermediate Temperature. Advanced Ceramics and Composites, 2021, , 77-137.	0.6	0
169	Hysteresis of Ceramic-Matrix Composites. , 0, , .		0
170	Time-Dependent Fatigue Behavior of Fiber-Reinforced Ceramic-Matrix Composites at Elevated Temperatures. Advanced Ceramics and Composites, 2020, , 313-360.	0.6	0
171	Multiple Matrix Cracking Behavior in Ceramic-Matrix Composites at Room Temperature. Advanced Ceramics and Composites, 2022, , 49-65.	0.6	0
172	Matrix Crack Opening Behavior in Ceramic-Matrix Composites at Elevated Temperature. Advanced Ceramics and Composites, 2022, , 105-117.	0.6	0
173	First Matrix Cracking Behavior in Ceramic-Matrix Composites at Room Temperature. Advanced Ceramics and Composites, 2022, , 15-31.	0.6	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