

Chun-Gon Kim

List of Publications by Year in descending order

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211
papers

6,374
citations

61857

43
h-index

95083

68
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214
all docs

214
docs citations

214
times ranked

4035
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of radar absorbing structures using glass/epoxy composite containing carbon black in X-band frequency ranges. <i>Composites Part B: Engineering</i> , 2004, 35, 49-56.	5.9	333
2	Fabrication and electromagnetic characteristics of electromagnetic wave absorbing sandwich structures. <i>Composites Science and Technology</i> , 2006, 66, 576-584.	3.8	277
3	Comparison study on the effect of carbon nano materials for single-layer microwave absorbers in X-band. <i>Composites Science and Technology</i> , 2008, 68, 2909-2916.	3.8	189
4	Failure mode and strength of uni-directional composite single lap bonded joints with different bonding methods. <i>Composite Structures</i> , 2006, 72, 477-485.	3.1	160
5	Fabrication and design of multi-layered radar absorbing structures of MWNT-filled glass/epoxy plain-weave composites. <i>Composite Structures</i> , 2006, 76, 397-405.	3.1	153
6	Empirical study of the high velocity impact energy absorption characteristics of shear thickening fluid (STF) impregnated Kevlar fabric. <i>International Journal of Impact Engineering</i> , 2014, 72, 67-74.	2.4	118
7	Low earth orbit space environment simulation and its effects on graphite/epoxy composites. <i>Composite Structures</i> , 2006, 72, 218-226.	3.1	116
8	The Influence of the Particle Size of Silica on the Ballistic Performance of Fabrics Impregnated with Silica Colloidal Suspension. <i>Journal of Composite Materials</i> , 2009, 43, 2679-2698.	1.2	106
9	Prediction of failure thermal cycles in graphite/epoxy composite materials under simulated low earth orbit environments. <i>Composites Part B: Engineering</i> , 2000, 31, 223-235.	5.9	104
10	Application of MWNT-added glass fabric/epoxy composites to electromagnetic wave shielding enclosures. <i>Composite Structures</i> , 2007, 81, 401-406.	3.1	103
11	Broadband microwave-absorbing honeycomb structure with novel design concept. <i>Composites Part B: Engineering</i> , 2015, 83, 14-20.	5.9	103
12	Analysis of filament wound composite structures considering the change of winding angles through the thickness direction. <i>Composite Structures</i> , 2002, 55, 63-71.	3.1	100
13	Numerical simulation and empirical comparison of the high velocity impact of STF impregnated Kevlar fabric using friction effects. <i>Composite Structures</i> , 2015, 125, 520-529.	3.1	97
14	Characteristics of an electromagnetic wave absorbing composite structure with a conducting polymer electromagnetic bandgap (EBG) in the X-band. <i>Composites Science and Technology</i> , 2008, 68, 2485-2489.	3.8	87
15	Impact Monitoring of Smart Composite Laminates Using Neural Network and Wavelet Analysis. <i>Journal of Intelligent Material Systems and Structures</i> , 2000, 11, 180-190.	1.4	80
16	Optimum design of composite structures with ply drop using genetic algorithm and expert system shell. <i>Composite Structures</i> , 1999, 46, 171-187.	3.1	77
17	Cure monitoring of composite laminates using fiber optic sensors. <i>Smart Materials and Structures</i> , 2002, 11, 279-287.	1.8	76
18	Failure prediction and strength improvement of uni-directional composite single lap bonded joints. <i>Composite Structures</i> , 2008, 82, 513-520.	3.1	76

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19	Broadband all fiber-reinforced composite radar absorbing structure integrated by inductive frequency selective carbon fiber fabric and carbon-nanotube-loaded glass fabrics. <i>Carbon</i> , 2016, 107, 564-572.	5.4	75
20	In-flight health monitoring of a subscale wing using a fiber Bragg grating sensor system. <i>Smart Materials and Structures</i> , 2003, 12, 147-155.	1.8	73
21	Real-time impact identification algorithm for composite structures using fiber Bragg grating sensors. <i>Structural Control and Health Monitoring</i> , 2012, 19, 580-591.	1.9	69
22	Tensile response of graphite/epoxy composites at low temperatures. <i>Composite Structures</i> , 2007, 79, 84-89.	3.1	67
23	Computational analysis of shear thickening fluid impregnated fabrics subjected to ballistic impacts. <i>Advanced Composite Materials</i> , 2012, 21, 177-192.	1.0	67
24	Postbuckling and failure of stiffened composite panels under axial compression. <i>Composite Structures</i> , 1998, 42, 13-21.	3.1	66
25	Optimal design of filament wound structures under internal pressure based on the semi-geodesic path algorithm. <i>Composite Structures</i> , 2005, 67, 443-452.	3.1	66
26	Evaluation of cryogenic performance of adhesives using composite aluminum double-lap joints. <i>Composite Structures</i> , 2007, 78, 440-446.	3.1	65
27	Impact localization on composite wing using 1D array FBG sensor and RMS/correlation based reference database algorithm. <i>Composite Structures</i> , 2015, 125, 159-169.	3.1	64
28	Impact Resistance of Composite Laminated Sandwich Plates. <i>Journal of Composite Materials</i> , 1992, 26, 2247-2261.	1.2	62
29	Real-time detection of low-velocity impact-induced delamination onset in composite laminates for efficient management of structural health. <i>Composites Part B: Engineering</i> , 2017, 123, 124-135.	5.9	59
30	The use of carbon/dielectric fiber woven fabrics as filters for electromagnetic radiation. <i>Carbon</i> , 2009, 47, 1896-1904.	5.4	58
31	Minimum-weight design of compressively loaded composite plates and stiffened panels for postbuckling strength by Genetic Algorithm. <i>Composite Structures</i> , 2005, 69, 239-246.	3.1	57
32	Fabrication of a thin and lightweight microwave absorber containing Ni-coated glass fibers by electroless plating. <i>Composites Science and Technology</i> , 2017, 145, 165-172.	3.8	56
33	Effect of delamination on the electromagnetic wave absorbing performance of radar absorbing structures. <i>Composites Science and Technology</i> , 2015, 116, 18-25.	3.8	54
34	Monitoring of impact damages in composite laminates using wavelet transform. <i>Composites Part B: Engineering</i> , 2002, 33, 35-43.	5.9	53
35	Damage detection of composite structures using a stabilized extrinsic Fabry-Perot interferometric sensor system. <i>Smart Materials and Structures</i> , 2004, 13, 593-598.	1.8	52
36	Probabilistic deformation and strength prediction for a filament wound pressure vessel. <i>Composites Part B: Engineering</i> , 2003, 34, 481-497.	5.9	50

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37	Damage assessment in layered composites using spectral analysis and Lamb wave. <i>Composites Part B: Engineering</i> , 2007, 38, 800-809.	5.9	50
38	Effect of CNT functionalization on crack resistance of a carbon/epoxy composite at a cryogenic temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1620-1627.	3.8	50
39	Impact localization of composite stiffened panel with triangulation method using normalized magnitudes of fiber optic sensor signals. <i>Composite Structures</i> , 2019, 211, 522-529.	3.1	50
40	High-velocity impact onto a high-frictional fabric treated with adhesive spray coating and shear thickening fluid impregnation. <i>Composites Part B: Engineering</i> , 2020, 185, 107742.	5.9	49
41	Simultaneous measurement of strain, temperature and vibration frequency using a fibre optic sensor. <i>Measurement Science and Technology</i> , 2002, 13, 1191-1196.	1.4	47
42	The signal characteristics of reflected spectra of fiber Bragg grating sensors with strain gradients and grating lengths. <i>NDT and E International</i> , 2005, 38, 712-718.	1.7	47
43	The mechanical properties of MWNT/PMMA nanocomposites fabricated by modified injection molding. <i>Composite Structures</i> , 2006, 76, 406-410.	3.1	47
44	Simultaneous monitoring of strain and temperature during and after cure of unsymmetric composite laminate using fibre-optic sensors. <i>Smart Materials and Structures</i> , 2003, 12, 29-35.	1.8	46
45	Strain monitoring of a filament wound composite tank using fiber Bragg grating sensors. <i>Smart Materials and Structures</i> , 2002, 11, 848-853.	1.8	43
46	Surface molecular degradation of selected high performance polymer composites under low earth orbit environmental conditions. <i>Polymer Degradation and Stability</i> , 2011, 96, 1301-1309.	2.7	43
47	Impact localization on composite structure using FBG sensors and novel impact localization technique based on error outliers. <i>Composite Structures</i> , 2016, 142, 263-271.	3.1	43
48	Behavior of Shear Thickening Fluid (STF) impregnated fabric composite rear wall under hypervelocity impact. <i>Composite Structures</i> , 2018, 204, 52-62.	3.1	43
49	Low velocity impact localization on composite wing structure using error outlier based algorithm and FBG sensors. <i>Composites Part B: Engineering</i> , 2017, 116, 298-312.	5.9	42
50	Buckling of unbalanced anisotropic sandwich plates with finite bonding stiffness. <i>AIAA Journal</i> , 1988, 26, 982-988.	1.5	41
51	Enhancement of the crack growth resistance of a carbon/epoxy composite by adding multi-walled carbon nanotubes at a cryogenic temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 647-654.	3.8	41
52	Circuit-analog (CA) type of radar absorbing composite leading-edge for wing-shaped structure in X-band: Practical approach from design to fabrication. <i>Composites Science and Technology</i> , 2014, 105, 96-101.	3.8	41
53	Ultra-high-molecular-weight polyethylene as a hypervelocity impact shielding material for space structures. <i>Acta Astronautica</i> , 2020, 168, 182-190.	1.7	41
54	Optimal design of filament wound type 3 tanks under internal pressure using a modified genetic algorithm. <i>Composite Structures</i> , 2005, 71, 16-25.	3.1	40

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55	Improvement of tensile properties of CFRP composites under LEO space environment by applying MWNTs and thin-ply. Composites Part A: Applied Science and Manufacturing, 2011, 42, 694-701.	3.8	40
56	Thin and lightweight radar-absorbing structure containing glass fabric coated with silver by sputtering. Composite Structures, 2017, 160, 1171-1177.	3.1	39
57	Delamination Buckling and Growth of Composite Laminated Plates with Transverse Shear Deformation. Journal of Composite Materials, 1995, 29, 2047-2068.	1.2	37
58	Size effect on the fiber strength of composite pressure vessels. Composite Structures, 2003, 59, 489-498.	3.1	37
59	Buckling and postbuckling behavior of composite cross-ply laminates with multiple delaminations. Composite Structures, 1998, 43, 257-274.	3.1	35
60	Simultaneous sensing of the strain and points of failure in composite beams with an embedded fiber optic Michelson sensor. Composites Science and Technology, 1998, 57, 1639-1651.	3.8	35
61	Design and fabrication of a microstrip patch antenna with a low radar cross section in the X-band. Smart Materials and Structures, 2011, 20, 015007.	1.8	35
62	Low-velocity impact localization in a stiffened composite panel using a normalized cross-correlation method. Smart Materials and Structures, 2015, 24, 045036.	1.8	35
63	Modeling of Composite Laminates with Multiple Delaminations under Compressive Loading. Journal of Composite Materials, 1998, 32, 951-968.	1.2	34
64	Impact source localization for composite structures under external dynamic loading condition. Advanced Composite Materials, 2015, 24, 359-374.	1.0	34
65	Characteristics of silicon carbide fiber-reinforced composite for microwave absorbing structures. Composite Structures, 2018, 202, 290-295.	3.1	33
66	Surface molecular degradation of 3D glass polymer composite under low earth orbit simulated space environment. Polymer Degradation and Stability, 2010, 95, 987-996.	2.7	32
67	Stabilized interrogation and multiplexing techniques for fibre Bragg grating vibration sensors. Measurement Science and Technology, 2005, 16, 813-820.	1.4	31
68	The embedment of fiber Bragg grating sensors into filament wound pressure tanks considering multiplexing. NDT and E International, 2006, 39, 109-116.	1.7	31
69	Measuring dynamic strain of structures using a gold-deposited extrinsic Fabry-Perot interferometer. Smart Materials and Structures, 2003, 12, 1-5.	1.8	30
70	Design of Circuit-Analog (CA) Absorber and Application to the Leading Edge of a Wing-Shaped Structure. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 599-607.	1.4	30
71	Practical design of tapered composite structures using the manufacturing cost concept. Composite Structures, 2001, 51, 285-299.	3.1	29
72	Development of a mirror mounted fiber optic inclinometer. Sensors and Actuators A: Physical, 2012, 184, 46-52.	2.0	29

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73	A thin hybrid circuit-analog (CA) microwave absorbing double-slab composite structure. <i>Composite Structures</i> , 2015, 124, 310-316.	3.1	29
74	Development of fibre optic ingress/egress methods for smart composite structures. <i>Smart Materials and Structures</i> , 2000, 9, 149-156.	1.8	28
75	Thermal distortion analysis of orbiting solar array including degradation effects of composite materials. <i>Composites Part B: Engineering</i> , 2001, 32, 271-285.	5.9	28
76	Aircraft health and usage monitoring system for in-flight strain measurement of a wing structure. <i>Smart Materials and Structures</i> , 2015, 24, 105003.	1.8	28
77	Impact localization on a composite stiffened panel using reference signals with efficient training process. <i>Composites Part B: Engineering</i> , 2016, 94, 271-285.	5.9	28
78	Design of broadband microwave absorber using honeycomb structure. <i>Electronics Letters</i> , 2014, 50, 292-293.	0.5	27
79	In situ Strain and Temperature Monitoring of Adaptive Composite Materials. <i>Journal of Intelligent Material Systems and Structures</i> , 2006, 17, 1059-1067.	1.4	26
80	Bird strike event monitoring in a composite UAV wing using high speed optical fiber sensing system. <i>Composites Science and Technology</i> , 2012, 72, 498-505.	3.8	26
81	Manufacture and characterization of stealth wind turbine blade with periodic pattern surface for reducing radar interference. <i>Composites Part B: Engineering</i> , 2014, 56, 178-183.	5.9	26
82	Electromagnetic characteristics of frequency selective fabric composites. <i>Electronics Letters</i> , 2006, 42, 439.	0.5	25
83	Buckling behavior monitoring of a composite wing box using multiplexed and multi-channeled built-in fiber Bragg grating strain sensors. <i>NDT and E International</i> , 2008, 41, 534-543.	1.7	24
84	Enhanced resistance to atomic oxygen of OG POSS/epoxy nanocomposites. <i>Composite Structures</i> , 2018, 202, 959-966.	3.1	24
85	Detection of Impact Damage in Composite Structures Using High Speed FBG Interrogator. <i>Advanced Composite Materials</i> , 2012, 21, 29-44.	1.0	23
86	Hypervelocity impact on flexible curable composites and pure fabric layer bumpers for inflatable space structures. <i>Composite Structures</i> , 2017, 176, 1061-1072.	3.1	23
87	Simulation method for complex permittivities of carbon black/epoxy composites at microwave frequency band. <i>Journal of Applied Polymer Science</i> , 2006, 100, 2189-2195.	1.3	22
88	Localizations and force reconstruction of low-velocity impact in a composite panel using optical fiber sensors. <i>Advanced Composite Materials</i> , 2012, 21, 357-369.	1.0	22
89	Radar-absorbing structure with nickel-coated glass fabric and its application to a wing airfoil model. <i>Composite Structures</i> , 2017, 180, 507-512.	3.1	22
90	Multi-functional aramid/epoxy composite for stealth space hypervelocity impact shielding system. <i>Composite Structures</i> , 2018, 193, 113-120.	3.1	22

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91	An efficient postbuckling analysis technique for composite stiffened curved panels. <i>Composite Structures</i> , 2006, 74, 361-369.	3.1	21
92	The mechanical strength of fiber Bragg gratings under controlled UV laser conditions. <i>Smart Materials and Structures</i> , 2007, 16, 1315-1319.	1.8	21
93	Mechanical Properties of MWNT-Loaded Plain-Weave Glass/Epoxy Composites. <i>Advanced Composite Materials</i> , 2009, 18, 209-219.	1.0	21
94	Performance of a single reflective grating-based fiber optic accelerometer. <i>Measurement Science and Technology</i> , 2012, 23, 045101.	1.4	21
95	Enhanced durability of silanized multi-walled carbon nanotube/epoxy nanocomposites under simulated low earth orbit space environment. <i>Composites Science and Technology</i> , 2013, 87, 224-231.	3.8	21
96	Viscoelastic Sandwich Plates with Crossply Faces. <i>Journal of Structural Engineering</i> , 1988, 114, 150-164.	1.7	20
97	Mechanical Strength Characteristics of Fiber Bragg Gratings Considering Fabrication Process and Reflectivity. <i>Journal of Intelligent Material Systems and Structures</i> , 2007, 18, 303-309.	1.4	20
98	Low RCS patch array antenna with electromagnetic bandgap using a conducting polymer. , 2010, , .		20
99	Hypervelocity impact on carbon/epoxy composites in low Earth orbit environment. <i>Composite Structures</i> , 2013, 96, 554-560.	3.1	20
100	Knowledge-Based Expert System for Optimal Stacking Sequence Design of Composite Structures. <i>Journal of Composite Materials</i> , 1999, 33, 1244-1274.	1.2	19
101	Embedded fiber Bragg grating sensor-based wing load monitoring system for composite aircraft. <i>Structural Health Monitoring</i> , 2019, 18, 1337-1351.	4.3	19
102	Multi-slab hybrid radar absorbing structure containing short carbon fiber layer with controllable permittivity. <i>Composite Structures</i> , 2021, 273, 114279.	3.1	19
103	A digital signal processing algorithm for structural strain measurement by a 3 Å— 3 passive demodulated fiber optic interferometric sensor. <i>Smart Materials and Structures</i> , 1999, 8, 433-440.	1.8	18
104	Simultaneous measurement of strain and damage signal of composite structures using a fiber Bragg grating sensor. <i>Smart Materials and Structures</i> , 2005, 14, 658-663.	1.8	18
105	Optimal Design of Composite Stiffened Panel with Cohesive Elements using Micro-Genetic Algorithm. <i>Journal of Composite Materials</i> , 2008, 42, 2259-2273.	1.2	18
106	Tensile Properties of Carbon Fiber Composites with Different Resin Compositions at Cryogenic Temperatures. <i>Advanced Composite Materials</i> , 2010, 19, 63-77.	1.0	18
107	Wideband radar absorbing structure with low density material and load-bearing MWCNT added composite material. <i>Electronics Letters</i> , 2013, 49, 620-622.	0.5	18
108	Investigation on microwave absorption characteristics of conductive-coated honeycomb absorber. <i>Composite Structures</i> , 2020, 242, 112129.	3.1	18

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109	The propagation of Lamb waves in a laminated composite plate with a variable stepped thickness. <i>Composite Structures</i> , 2006, 76, 388-396.	3.1	17
110	Real-time monitoring of transverse thermal strain of carbon fiber reinforced composites under long-term space environment using fiber optic sensors. <i>NDT and E International</i> , 2009, 42, 361-368.	1.7	17
111	Simultaneous measurement of strain and temperature using a reverse index fiber Bragg grating sensor. <i>Measurement Science and Technology</i> , 2010, 21, 035703.	1.4	17
112	Use of Relative Baseline Features of Guided Waves for In situ Structural Health Monitoring. <i>Journal of Intelligent Material Systems and Structures</i> , 2011, 22, 175-189.	1.4	17
113	Design and verification of a single slab RAS through mass production of glass/MWNT added epoxy composite prepreg. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	17
114	Real-time estimation of delamination occurrence induced by low-velocity impact in composite plates using optical fiber sensing system. <i>Composite Structures</i> , 2018, 189, 455-462.	3.1	17
115	Development of concurrent engineering system for design of composite structures. <i>Composite Structures</i> , 2000, 50, 297-309.	3.1	16
116	Simultaneous Measurement of Strain and Temperature of Structures Using Fiber Optic Sensor. <i>Journal of Intelligent Material Systems and Structures</i> , 2001, 12, 277-281.	1.4	16
117	Structural Analysis and Strain Monitoring of the Filament Wound Motor Case. <i>Journal of Composite Materials</i> , 2002, 36, 2373-2388.	1.2	16
118	Prediction of the thermal conductivities of four-axial non-woven composites. <i>Composite Structures</i> , 2009, 89, 262-269.	3.1	16
119	Behavior of dragon skin flexible metal bumper under hypervelocity impact. <i>International Journal of Impact Engineering</i> , 2019, 125, 13-26.	2.4	16
120	Semi-cylindrical Radar Absorbing Structures using Fiber-reinforced Composites and Conducting Polymers in the X-band. <i>Advanced Composite Materials</i> , 2011, 20, 215-229.	1.0	15
121	Measurement of Tensile Properties using Filament Wound Ring Specimens. <i>Journal of Reinforced Plastics and Composites</i> , 1997, 16, 810-824.	1.6	14
122	Postbuckling Strength of Composite Plate with a Hole. <i>Journal of Reinforced Plastics and Composites</i> , 2001, 20, 466-481.	1.6	14
123	Thermo-gravimetric analysis method to determine the fiber volume fraction for PAN-based CFRP considering oxidation of carbon fiber and matrix. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 102, 40-47.	3.8	14
124	Polybenzimidazole (PBI) film coating for improved hypervelocity impact energy absorption for space applications. <i>Composite Structures</i> , 2018, 188, 72-77.	3.1	14
125	Thin broadband microwave absorber with conductive and magnetic materials coated on a glass fabric. <i>Journal of Composite Materials</i> , 2018, 52, 1413-1420.	1.2	14
126	Acoustic emission source localization in composite stiffened plate using triangulation method with signal magnitudes and arrival times. <i>Advanced Composite Materials</i> , 2021, 30, 149-163.	1.0	14

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127	Effect of atmospheric pressure plasma treatment for repair of polymer matrix composite for aerospace applications. <i>Journal of Composite Materials</i> , 2016, 50, 1497-1507.	1.2	13
128	Axisymmetric analysis of transient thermoelastic behaviors in composite brake disks. <i>Journal of Thermophysics and Heat Transfer</i> , 1996, 10, 69-75.	0.9	12
129	Thermo Elastic Analysis of a Type 3 Cryogenic Tank Considering Curing Temperature and Autofrettage Pressure. <i>Journal of Reinforced Plastics and Composites</i> , 2008, 27, 459-472.	1.6	12
130	Study on the semi-empirical model for the complex permittivity of carbon nanocomposite laminates in microwave frequency band. <i>Composites Science and Technology</i> , 2010, 70, 1748-1754.	3.8	12
131	Physico-chemical characteristics of high performance polymer modified by low and atmospheric pressure plasma. <i>Surface Engineering and Applied Electrochemistry</i> , 2012, 48, 117-126.	0.3	12
132	Error outlier with weighted Median Absolute Deviation threshold algorithm and FBG sensor based impact localization on composite wing structure. <i>Composite Structures</i> , 2017, 180, 412-419.	3.1	12
133	MEASUREMENT OF MODULUS IN FILAMENT WOUND RING SPECIMEN USING SPLIT DISK TEST. <i>Experimental Techniques</i> , 1997, 21, 25-28.	0.9	11
134	Effects of dot-type electroless nickel plating on the mechanical properties of glass/epoxy used for radar-absorbing structures. <i>Composite Structures</i> , 2021, 257, 113165.	3.1	11
135	Thermoelastic Analysis of a Kick Motor Nozzle Incorporating Spatially Reinforced Composites. <i>Journal of Spacecraft and Rockets</i> , 2003, 40, 83-91.	1.3	10
136	Flexible Design of Dual-Band Radar-Absorbing Composites by Controllable Permittivity. <i>International Journal of Aeronautical and Space Sciences</i> , 2019, 20, 368-371.	1.0	10
137	In-Flight Strain Monitoring of Aircraft Tail Boom Structure Using a Fiber Bragg Grating Sensor Based Health and Usage Monitoring System. <i>International Journal of Aeronautical and Space Sciences</i> , 2021, 22, 567-577.	1.0	10
138	Embedded silicon carbide fiber sensor network based low-velocity impact localization of composite structures. <i>Smart Materials and Structures</i> , 2020, 29, 055030.	1.8	10
139	<title>Buckling behavior monitoring of composite wing box model using fiber Bragg grating sensor system</title>. , 2001, , .		9
140	Optimal vibration control of a plate using optical fiber sensor and PZT actuator. <i>Smart Materials and Structures</i> , 2003, 12, 507-513.	1.8	9
141	Optical fiber sensor systems for simultaneous monitoring of strain and fractures in composites. <i>Smart Materials and Structures</i> , 2005, 14, N52-N58.	1.8	9
142	Transmissive grating-reflective mirror-based fiber optic accelerometer for stable signal acquisition in industrial applications. <i>Optical Engineering</i> , 2012, 51, 054402.	0.5	9
143	Design and verification of simultaneously self-sensing and microwave-absorbing composite structures based on embedded SiC fiber network. <i>Composite Structures</i> , 2021, 261, 113286.	3.1	9
144	Postbuckling Strength of Stiffened Composite Plates with Impact Damage. <i>AIAA Journal</i> , 2000, 38, 1956-1964.	1.5	8

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145	Prediction of mechanical behavior of spatially reinforced composites for kick motor nozzle. <i>Composite Structures</i> , 2001, 54, 57-65.	3.1	8
146	In situ simultaneous strain and temperature measurement of adaptive composite materials using a fiber Bragg grating based sensor. , 2005, , .		8
147	Processing and Characterization of Space-Durable High-Performance Polymeric Nanocomposite. <i>Journal of Thermophysics and Heat Transfer</i> , 2011, 25, 87-95.	0.9	8
148	Design of thin circuitâ€analogue multilayer absorber and application to leading edge of wing structure. <i>Electronics Letters</i> , 2013, 49, 216-217.	0.5	8
149	An experimental study on a new air-eddy current damper for application in low-frequency accelerometers. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 3617-3625.	0.7	8
150	Protective effect of nanocomposite film from the low earth orbit environment. <i>Journal of Composite Materials</i> , 2015, 49, 2297-2306.	1.2	8
151	High Velocity Impact Characteristics of Shear Thickening Fluid Impregnated Kevlar Fabric. <i>International Journal of Aeronautical and Space Sciences</i> , 2013, 14, 140-145.	1.0	8
152	Thermally induced stress analysis of composite/aluminum ring specimens at cryogenic temperature. <i>Composites Science and Technology</i> , 2008, 68, 1080-1087.	3.8	7
153	Fiber optic displacement sensor with a large extendable measurement range while maintaining equally high sensitivity, linearity, and accuracy. <i>Review of Scientific Instruments</i> , 2012, 83, 045002.	0.6	7
154	High velocity impact test of a hybrid sandwich composite shield with unrestrained boundary fabric. <i>Composite Structures</i> , 2016, 153, 60-68.	3.1	7
155	Computational analysis of a sandwich shield with free boundary inserted fabric at high velocity impact. <i>Advanced Composite Materials</i> , 2017, 26, 197-218.	1.0	7
156	Numerical Analysis of the Complex Permittivity of MWNT added Epoxy Depending on Agglomeration Size. <i>Composites Research</i> , 2014, 27, 190-195.	0.1	7
157	Damage Analysis of a Type 3 Cryogenic Propellant Tank After LN2 Storage Test. <i>Journal of Composite Materials</i> , 2008, 42, 975-992.	1.2	6
158	A health management algorithm for composite train carbody based on FEM/FBG hybrid method. <i>Composite Structures</i> , 2010, 92, 1019-1026.	3.1	6
159	Design of patterned leaf spring for sensor-probe with stable reflectivity and high sensitivity. <i>Sensors and Actuators A: Physical</i> , 2012, 176, 19-26.	2.0	6
160	Influence of lightning strikes on the structural performance of Ni-glass/epoxy radar-absorbing structures. <i>Composite Structures</i> , 2020, 245, 112301.	3.1	6
161	Buckling and Postbuckling Behavior of Stiffened Composite Panels Loaded in Compression. <i>AIAA Journal</i> , 1997, 35, 202-204.	1.5	5
162	Directivity evaluation of fiber optic sensor for detecting Lamb waves. <i>Smart Materials and Structures</i> , 2005, 14, 1037-1046.	1.8	5

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