Brian L Wardle

List of Publications by Year
in descending order

137 papers	7,071 citations	61984 43 h-index	60623 81 g-index
137 all docs	137 docs citations	137 times ranked	7046 citing authors

#	Article	IF	Citations
1	DESIGN CONSIDERATIONS FOR MEMS-SCALE PIEZOELECTRIC MECHANICAL VIBRATION ENERGY HARVESTERS. Integrated Ferroelectrics, 2005, 71, 121-160.	0.7	659
2	Thermal Conduction in Aligned Carbon Nanotubeâ€“Polymer Nanocomposites with High Packing Density. ACS Nano, 2011, 5, 4818-4825.	14.6	425
3	Joining prepreg composite interfaces with aligned carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1065-1070.	7.6	358
4	Interlaminar and intralaminar reinforcement of composite laminates with aligned carbon nanotubes. Composites Science and Technology, 2010, 70, 20-28.	7.8	354
5	Fabrication and Characterization of Ultrahighâ€Volumeâ€Fraction Aligned Carbon Nanotubeâ€“Polymer Composites. Advanced Materials, 2008, 20, 2707-2714.	21.0	245
6	Experimental Verification of Models for Microfabricated Piezoelectric Vibration Energy Harvesters. AIAA Journal, 2007, 45, 1126-1137.	2.6	240
7	Nanoscale Zirconia as a Nonmetallic Catalyst for Graphitization of Carbon and Growth of Single- and Multiwall Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 12144-12154.	13.7	219
8	Exposure to nanoscale particles and fibers during machining of hybrid advanced composites containing carbon nanotubes. Journal of Nanoparticle Research, 2009, 11, 231-249.	1.9	207
9	Multifunctional properties of high volume fraction aligned carbon nanotube polymer composites with controlled morphology. Composites Science and Technology, 2009, 69, 2649-2656.	7.8	181
10	High-yield growth and morphology control of aligned carbon nanotubes on ceramic fibers for multifunctional enhancement of structural composites. Carbon, 2009, 47, 551-560.	10.3	175
11	High Electromechanical Response of Ionic Polymer Actuators with Controlledâ€Morphology Aligned Carbon Nanotube/Nafion Nanocomposite Electrodes. Advanced Functional Materials, 2010, 20, 3266-3271.	14.9	130
12	Electrical and thermal property enhancement of fiber-reinforced polymer laminate composites through controlled implementation of multi-walled carbon nanotubes. Composites Science and Technology, 2012, 72, 2009-2015.	7.8	125
13	Layered and scrolled nanocomposites with aligned semi-infinite graphene inclusions at the platelet limit. Science, 2016, 353, 364-367.	12.6	125
14	Limiting Mechanisms of Mode I Interlaminar Toughening of Composites Reinforced with Aligned Carbon Nanotubes. Journal of Composite Materials, 2009, 43, 825-841.	2.4	112
15	Multi-scale interlaminar fracture mechanisms in woven composite laminates reinforced with aligned carbon nanotubes. Composites Science and Technology, 2014, 100, 128-135.	7.8	99
16	Particle exposure levels during CVD growth and subsequent handling of vertically-aligned carbon nanotube films. Carbon, 2008, 46, 974-977.	10.3	93
17	Advanced asymmetric supercapacitor based on conducting polymer and aligned carbon nanotubes with controlled nanomorphology. Nano Energy, 2014, 9, 176-185.	16.0	93
18	Ultrahighâ€Arealâ€Capacitance Flexible Supercapacitor Electrodes Enabled by Conformal P3MT on Horizontally Aligned Carbonâ€Nanotube Arrays. Advanced Materials, 2019, 31, e1901916.	21.0	89

#	Article	IF	Citations
19	Hierarchical carbon nanotube carbon fiber unidirectional composites with preserved tensile and interfacial properties. Composites Science and Technology, 2015, 117, 139-145.	7.8	83
20	Continuous High-Yield Production of Vertically Aligned Carbon Nanotubes on 2D and 3D Substrates. ACS Nano, 2011, 5, 4850-4857.	14.6	76
21	Nanoporous Elements in Microfluidics for Multiscale Manipulation of Bioparticles. Small, 2011, 7, 1061-1067.	10.0	70
22	Aligned Carbon Nanotube Film Enables Thermally Induced State Transformations in Layered Polymeric Materials. ACS Applied Materials & Interfaces, 2015, 7, 8900-8905.	8.0	70
23	In-plane strength enhancement of laminated composites via aligned carbon nanotube interlaminar reinforcement. Composites Science and Technology, 2016, 133, 33-39.	7.8	68
24	Impact of carbon nanotube length on electron transport in aligned carbon nanotube networks. Applied Physics Letters, 2015, 106, .	3.3	67
25	Temperature-Dependent Phonon Conduction and Nanotube Engagement in Metalized Single Wall Carbon Nanotube Films. Nano Letters, 2010, 10, 2395-2400.	9.1	66
26	Long Carbon Nanotubes Grown on the Surface of Fibers for Hybrid Composites. AIAA Journal, 2008, 46, 1405-1412.	2.6	65
27	Circumventing the Mechanochemical Origins of Strength Loss in the Synthesis of Hierarchical Carbon Fibers. ACS Applied Materials & Interfaces, 2013, 5, 4892-4903.	8.0	64
28	Synergetic effects of thin plies and aligned carbon nanotube interlaminar reinforcement in composite laminates. Composites Science and Technology, 2018, 166, 160-168.	7.8	64
29	Characterization of Exposures To Nanoscale Particles and Fibers During Solid Core Drilling of Hybrid Carbon Nanotube Advanced Composites. International Journal of Occupational and Environmental Health, 2010, 16, 434-450.	1.2	64
30	The Evolution of Carbon Nanotube Network Structure in Unidirectional Nanocomposites Resolved by Quantitative Electron Tomography. ACS Nano, 2015, 9, 6050-6058.	14.6	62
31	Fabrication and morphology tuning of graphene oxide nanoscrolls. Nanoscale, 2016, 8, 6783-6791.	5.6	62
32	Strength and Performance Enhancement of Bonded Joints by Spatial Tailoring of Adhesive Compliance via 3D Printing. ACS Applied Materials & Interfaces, 2017, 9, 884-891.	8.0	60
33	Advanced carbon fiber composite out-of-autoclave laminate manufacture via nanostructured out-of-oven conductive curing. Composites Science and Technology, 2018, 166, 150-159.	7.8	60
34	PERFORMANCE OF MICROFABRICATED PIEZOELECTRIC VIBRATION ENERGY HARVESTERS. Integrated Ferroelectrics, 2006, 83, 13-32.	0.7	59
35	A high performance hybrid asymmetric supercapacitor via nano-scale morphology control of graphene, conducting polymer, and carbon nanotube electrodes. Journal of Materials Chemistry A, 2014, 2, 9964-9969.	10.3	57
36	Breakdown of Native Oxide Enables Multifunctional, Free-Form Carbon Nanotubeâ€“Metal Hierarchical Architectures. ACS Applied Materials & Interfaces, 2019, 11, 35212-35220.	8.0	54

#	Article	IF	Citations
37	Manufacturing variability drives significant environmental and economic impact: The case of carbon fiber reinforced polymer composites in the aerospace industry. Journal of Cleaner Production, 2020, 261, 121087.	9.3	52
38	Interlaminar to intralaminar mode I and II crack bifurcation due to aligned carbon nanotube reinforcement of aerospace-grade advanced composites. Composites Science and Technology, 2020, 190, 108014.	7.8	51
39	Enhanced Bonding via Additive Manufacturingâ€Enabled Surface Tailoring of 3D Printed Continuousâ€Fiber Composites. Advanced Engineering Materials, 2018, 20, 1800691.	3.5	48
40	Hierarchical Multifunctional Composites by Conformally Coating Aligned Carbon Nanotube Arrays with Conducting Polymer. ACS Applied Materials & Interfaces, 2009, 1, 2565-2572.	8.0	47
41	Room Temperature Resistive Volatile Organic Compound Sensing Materials Based on a Hybrid Structure of Vertically Aligned Carbon Nanotubes and Conformal oCVD/iCVD Polymer Coatings. ACS Sensors, 2016, 1, 374-383.	7.8	47
42	Aligned carbon nanotube array stiffness from stochastic three-dimensional morphology. Nanoscale, 2015, 7, 19426-19431.	5.6	46
43	Morphology Effects on Nonisotropic Thermal Conduction of Aligned Single-Walled and Multi-Walled Carbon Nanotubes in Polymer Nanocomposites. Journal of Physical Chemistry C, 2010, 114, 8851-8860.	3.1	44
44	Structure-mechanical property relations of non-graphitizing pyrolytic carbon synthesized at low temperatures. Carbon, 2017, 117, 411-420.	10.3	43
45	Multi-physics damage sensing in nano-engineered structural composites. Nanotechnology, 2011, 22, 185502.	2.6	42
46	High volumetric electrochemical performance of ultra-high density aligned carbon nanotube supercapacitors with controlled nanomorphology. Electrochimica Acta, 2013, 111, 608-613.	5.2	42
47	Horizontal cylinder-in-cylinder buckling under compression and torsion: Review and application to composite drill pipe. International Journal of Mechanical Sciences, 2008, 50, 538-549.	6.7	41
48	Inter-carbon nanotube contact in thermal transport of controlled-morphology polymer nanocomposites. Nanotechnology, 2009, 20, 155702.	2.6	41
49	Hierarchical lightweight composite materials for structural applications. MRS Bulletin, 2016, 41, 672-677.	3.5	40
50	Stress Reduction of 3D Printed Complianceâ€Tailored Multilayers. Advanced Engineering Materials, 2018, 20, 1700883.	3.5	40
51	Additively Manufactured Polyetheretherketone (PEEK) with Carbon Nanostructure Reinforcement for Biomedical Structural Applications. Advanced Engineering Materials, 2020, 22, 2000483.	3.5	39
52	Strain mapping at the micro-scale in hierarchical polymer composites with aligned carbon nanotube grafted fibers. Composites Science and Technology, 2016, 137, 24-34.	7.8	37
53	Strength and Performance Enhancement of Multilayers by Spatial Tailoring of Adherend Compliance and Morphology via Multimaterial Jetting Additive Manufacturing. Scientific Reports, 2018, 8, 13592.	3.3	37
54	Static and fatigue interlaminar shear reinforcement in aligned carbon nanotube-reinforced hierarchical advanced composites. Composites Part A: Applied Science and Manufacturing, 2019, 120, 106-115.	7.6	37

#	Article	IF	Citations
55	Interfacial load transfer in carbon nanotube/ceramic microfiber hybrid polymer composites. Composites Science and Technology, 2012, 72, 1416-1422.	7.8	36
56	Hybrid supercapacitor materials from poly(3,4-ethylenedioxythiophene) conformally coated aligned carbon nanotubes. Electrochimica Acta, 2013, 112, 522-528.	5.2	36
57	Morphology and processing of aligned carbon nanotube carbon matrix nanocomposites. Carbon, 2014, 68, 807-813.	10.3	36
58	Salt rejection in flow-between capacitive deionization devices. Desalination, 2018, 437, 154-163.	8.2	35
59	Calculated Thermal Properties of Single-Walled Carbon Nanotube Suspensions. Journal of Physical Chemistry C, 2008, 112, 19860-19865.	3.1	34
60	Nanoporous micro-element arrays for particle interception in microfluidic cell separation. Lab on A Chip, 2012, 12, 3159.	6.0	34
61	Coordination number model to quantify packing morphology of aligned nanowire arrays. Physical Chemistry Chemical Physics, 2013, 15, 4033.	2.8	34
62	Synthesis and Characterization of Carbon Nanotube-Doped Thermoplastic Nanocomposites for the Additive Manufacturing of Self-Sensing Piezoresistive Materials. ACS Applied Materials & Interfaces, 2022, 14, 8361-8372.	8.0	34
63	Nanocomposite Flexible Pressure Sensor for Biomedical Applications. Procedia Engineering, 2011, 25, 140-143.	1.2	32
64	Equivalent circuit modeling of ionomer and ionic polymer conductive network composite actuators containing ionic liquids. Sensors and Actuators A: Physical, 2012, 181, 70-76.	4.1	31
65	Integration of Bulk Nanoporous Elements in Microfluidic Devices With Application to Biomedical Diagnostics. Journal of Microelectromechanical Systems, 2011, 20, 1428-1438.	2.5	30
66	CVD Growth of Carbon Nanostructures from Zirconia: Mechanisms and a Method for Enhancing Yield. Journal of the American Chemical Society, 2014, 136, 17808-17817.	13.7	30
67	A numerical study on the effective thermal conductivity of biological fluids containing single-walled carbon nanotubes. International Journal of Heat and Mass Transfer, 2009, 52, 5591-5597.	4.8	29
68	Three-dimensional elastic constitutive relations of aligned carbon nanotube architectures. Journal of Applied Physics, 2013, 114, .	2.5	29
69	Tailoring Thickness of Conformal Conducting Polymer Decorated Aligned Carbon Nanotube Electrodes for Energy Storage. Advanced Materials Interfaces, 2014, 1, 1400076.	3.7	28
70	Internal geometry of woven composite laminates with â€œfuzzyâ€•carbon nanotube grafted fibers. Composites Part A: Applied Science and Manufacturing, 2016, 88, 295-304.	7.6	28
71	Simulation of failure in laminated polymer composites: Building-block validation. Composite Structures, 2019, 226, 111168.	5.8	28
72	Size effect of flexible proof mass on the mechanical behavior of micron-scale cantilevers for energy harvesting applications. Applied Physics Letters, 2011, 99, .	3.3	26

#	Article	IF	Citations
73	Packing morphology of wavy nanofiber arrays. Physical Chemistry Chemical Physics, 2016, 18, 694-699.	2.8	26
74	Lowâ€Temperature Growth of Carbon Nanotubes Catalyzed by Sodiumâ€Based Ingredients. Angewandte Chemie - International Edition, 2019, 58, 9204-9209.	13.8	25
75	Voidâ€Free Layered Polymeric Architectures via Capillaryâ€Action of Nanoporous Films. Advanced Materials Interfaces, 2020, 7, 1901427.	3.7	25
76	Nanoengineered thrusters for the next giant leap in space exploration. MRS Bulletin, 2015, 40, 842-849.	3.5	24
77	Prediction of size effects in open-hole laminates using only the Youngâ€™s modulus, the strength, and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si76.gif" overflow="scroll"><mml:mrow><mml:mi mathvariant="script">R</mml:mi></mml:mrow></mml:math>-curve of the 0Â° ply. Composites Part A: Applied Science and Manufacturing, 2017, 101, 306-317.	7.6	24
78	Solution to the Incorrect Benchmark Shell-Buckling Problem. AIAA Journal, 2008, 46, 381-387.	2.6	23
79	Exohedral Physisorption of Ambient Moisture Scales Non-monotonically with Fiber Proximity in Aligned Carbon Nanotube Arrays. ACS Nano, 2014, 8, 4591-4599.	14.6	23
80	Multifunctional nanocomposite structural separators for energy storage. Nanoscale, 2019, 11, 21964-21973.	5.6	23
81	Effect of nanofiber proximity on the mechanical behavior of high volume fraction aligned carbon nanotube arrays. Applied Physics Letters, 2014, 104, .	3.3	22
82	Matrix hybridization in the interlayer for carbon fiber reinforced composites. Polymer Composites, 2010, 31, 1965-1976.	4.6	21
83	Mesoscale evolution of non-graphitizing pyrolytic carbon in aligned carbon nanotube carbon matrix nanocomposites. Journal of Materials Science, 2017, 52, 13799-13811.	3.7	21
84	Process-morphology scaling relations quantify self-organization in capillary densified nanofiber arrays. Physical Chemistry Chemical Physics, 2018, 20, 3876-3881.	2.8	21
85	Mechanics of aligned carbon nanotube polymer matrix nanocomposites simulated via stochastic three-dimensional morphology. Nanotechnology, 2016, 27, 035701.	2.6	20
86	Direct synthesis of carbon nanomaterials via surface activation of bulk copper. Carbon, 2021, 177, 1-10.	10.3	18
87	A technique for spatially-resolved contact resistance-free electrical conductivity measurements of aligned-carbon nanotube/polymer nanocomposites. Composites Science and Technology, 2013, 74, 205-210.	7.8	17
88	New interlaminar features and void distributions in advanced aerospace-grade composites revealed via automated algorithms using micro-computed tomography. Composites Science and Technology, 2020, 193, 108132.	7.8	17
89	In situ synchrotron computed tomography study of nanoscale interlaminar reinforcement and thin-ply effects on damage progression in composite laminates. Composites Part B: Engineering, 2021, 217, 108623.	12.0	17
90	Aligned carbon nanotube morphogenesis predicts physical properties of their polymer nanocomposites. Nanoscale, 2019, 11, 16327-16335.	5.6	16

#	Article	IF	Citations
91	Porosimetry and packing morphology of vertically aligned carbon nanotube arrays via impedance spectroscopy. Nanotechnology, 2017, 28, 05LT01.	2.6	15
92	Bioinspired Compliance Grading Motif of Mortar in Nacreous Materials. ACS Applied Materials & Interfaces, 2020, 12, 33256-33266.	8.0	15
93	Flexible Pressure Sensors: Modeling and Experimental Characterization. Procedia Engineering, 2012, 47, 1177-1180.	1.2	14
94	On the Use of Dent Depth as an Impact Damage Metric for Thin Composite Structures. Journal of Reinforced Plastics and Composites, 1997, 16, 1093-1110.	3.1	13
95	Is there a ply thickness effect on the mode I intralaminar fracture toughness of composite laminates?. Theoretical and Applied Fracture Mechanics, 2020, 107, 102473.	4.7	13
96	Interception efficiency in two-dimensional flow past confined porous cylinders. Chemical Engineering Science, 2014, 116, 752-762.	3.8	12
97	Strong process-structure interaction in stoveable poly(urethane-urea) aligned carbon nanotube nanocomposites. Composites Science and Technology, 2018, 166, 115-124.	7.8	11
98	Effects of ply thickness and architecture on the strength of composite sub-structures. Composite Structures, 2021, 256, 113061.	5.8	11
99	Synthesis of polymer bead nano-necklaces on aligned carbon nanotube scaffolds. Nanotechnology, 2017, 28, 24LT01.	2.6	10
100	Deep Learning Unlocks Xâ€ray Microtomography Segmentation of Multiclass Microdamage in Heterogeneous Materials. Advanced Materials, 2022, 34, e2107817.	21.0	9
101	In Situ Testing Using Synchrotron Radiation Computed Tomography in Materials Research. MRS Advances, 2019, 4, 2831-2841.	0.9	8
102	Multifunctionality of Nanoengineered Selfâ€Sensing Lattices Enabled by Additive Manufacturing. Advanced Engineering Materials, 2022, 24, .	3.5	8
103	High-Volume-Fraction Textured Carbon Nanotubeâ€“Bis(maleimide) and â˜Epoxy Matrix Polymer Nanocomposites: Implications for High-Performance Structural Composites. ACS Applied Nano Materials, 2022, 5, 9008-9023.	5.0	8
104	Optimal design of piezoelectric materials and devices for energy harvesting. Journal of the Korean Physical Society, 2013, 62, 1689-1695.	0.7	7
105	Enhanced durability of carbon nanotube grafted hierarchical ceramic microfiber-reinforced epoxy composites. Carbon, 2017, 125, 63-75.	10.3	6
106	Catalytic synthesis of few-layer graphene on titania nanowires. Nanoscale, 2018, 10, 1015-1022.	5.6	6
107	Morphology control of aligned carbon nanotube pins formed via patterned capillary densification. Nano Futures, 2019, 3, 011003.	2.2	6
108	Unzipping Carbon Nanotube Bundles through NHâ˜Ï€ Stacking for Enhanced Electrical and Thermal Transport. ACS Applied Materials & Interfaces, 2021, 13, 28583-28592.	8.0	6

#	Article	IF	Citations
109	Thermal properties of single-walled carbon nanotube forests with various volume fractions. International Journal of Heat and Mass Transfer, 2021, 171, 121076.	4.8	6
110	Kinetic viscoelasticity modeling applied to degradation during carbonâ€“carbon composite processing. Acta Astronautica, 2010, 66, 1189-1200.	3.2	5
111	Coherent nanofiber array buckling-enabled synthesis of hierarchical layered composites with enhanced strength. Extreme Mechanics Letters, 2020, 39, 100773.	4.1	5
112	Modeling the Electromagnetic Scattering Characteristics of Carbon Nanotube Composites Characterized by 3-D Tomographic Transmission Electron Microscopy. IEEE Open Journal of Antennas and Propagation, 2020, 1, 142-158.	3.7	5
113	Toward MXene interconnects. Matter, 2021, 4, 1447-1449.	10.0	5
114	Nonhomogeneous morphology and the elastic modulus of aligned carbon nanotube films. Journal of Micromechanics and Microengineering, 2015, 25, 115023.	2.6	4
115	Substrate adhesion evolves non-monotonically with processing time in millimeter-scale aligned carbon nanotube arrays. Nanoscale, 2021, 13, 261-271.	5.6	4
116	Processing and Mechanical Property Characterization of Aligned Carbon Nanotube Carbon Matrix Nanocomposites. , 2013, , .		3
117	Fabrication of Aerospace-grade Epoxy and Bismaleimide Matrix Nanocomposites with High Density Aligned Carbon Nanotube Reinforcement. , 2020, , .		3
118	Effective Interlaminar Reinforcement of High Glass Transition Temperature Laminated Composites via Vertically Aligned Carbon Nanotubes. , 2022, , .		3
119	Process-Structure-Property Relations in Dense Aligned Carbon Nanotube/Aerospace-grade Epoxy Nanocomposites. , 2022, , .		3
120	Mechanics of Out-of-Plane MEMS via Postbuckling: Model-Experiment Demonstration Using CMOS. Journal of Microelectromechanical Systems, 2012, 21, 621-634.	2.5	2
121	Lowâ€Temperature Growth of Carbon Nanotubes Catalyzed by Sodiumâ€Based Ingredients. Angewandte Chemie, 2019, 131, 9302-9307.	2.0	2
122	Damage Micro-mechanisms in Notched Hierarchical Nanoengineered Thin-ply Composite Laminates Studied by In Situ Synchrotron X-ray Microtomography. , 2019, , .		2
123	In-series sample methodology for permeability characterization demonstrated on carbon nanotube-grafted alumina textiles. Composites Part A: Applied Science and Manufacturing, 2021, 150, 106631.	7.6	2
124	Building Life-Cycle Enhancement Multifunctionality into Glass Fiber Reinforced Composite Laminates via Hierarchical Assemblies of Aligned Carbon Nanotubes. , 2022, , .		2
125	Void-free Vacuum-bag-only Composite Manufacturing with Autoclave-grade Prepreg using Capillary Effects of Polymer Electrospun Nanofibers and Aerogel Nanoporous Networks. , 2022, , .		2
126	Elastic solutions for stresses in compliance-tailored adhesive anchors. International Journal of Adhesion and Adhesives, 2022, 118, 103227.	2.9	2

#	Article	IF	Citations
127	Experimental Investigation of Interlaminar Fracture Micro-mechanisms of Aligned Carbon Nanotube-reinforced Aerospace Laminated Composites. , 2019, , .		1
128	Aerospace-grade Advanced Composites with Buckling-densified Aligned Carbon Nanotubes Interlaminar Reinforcement. , 2020, , .		1
129	Automated Segmentation of In Situ X-ray Microtomography of Progressive Damage in Advanced Composites via Deep Learning. , 2021, , .		1
130	Bifurcation, limit-point buckling, and dynamic collapse of transversely loaded composite shells. AIAA Journal, 2000, 38, 507-516.	2.6	1
131	In Situ Synchrotron X-ray Microtomography of Progressive Damage in Canted Notched Cross-Ply Composites with Interlaminar Nanoreinforcement. , 2022, , .		1
132	Gaining mechanistic insight into key factors contributing to crack path transition in particle toughened carbon fibre reinforced polymer composites using 3D X-ray computed tomography. Energy Reports, 2022, 8, 61-66.	5.1	1
133	Ultrahigh Carbon Nanotube Volume Fraction Effects on Micromechanical Quasi-Static & Dynamic Properties of Poly(Urethane-Urea) Filled Nanocomposites. Proceedings (mdpi), 2018, 2, 398.	0.2	0
134	Facile Patterning of Aligned Carbon Nanotube Architectures via Capillary-mediated Densification. , 2019, , .		0
135	Process-Structure-Property Characterization of Phenolic Matrix Nanocomposites Reinforced with Dense Aligned Carbon Nanotube Arrays. , 2021, , .		0
136	Importance of instability in impact response and damage resistance of composite shells. AIAA Journal, 1997, 35, 389-396.	2.6	0
137	Behavior of composite shells under transverse impact and quasi-static loading. AIAA Journal, 1998, 36, 1065-1073.	2.6	0