

# Paul m Weaver

## List of Publications by Year in descending order

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431  
papers

13,590  
citations

22153

59  
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36028

97  
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434  
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434  
docs citations

434  
times ranked

8624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric and ferroelectric materials and structures for energy harvesting applications. <i>Energy and Environmental Science</i> , 2014, 7, 25-44.	30.8	926
2	Green composites: A review of material attributes and complementary applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 56, 280-289.	7.6	461
3	Morphing skins. <i>Aeronautical Journal</i> , 2008, 112, 117-139.	1.6	421
4	Transformative social innovation and (dis)empowerment. <i>Technological Forecasting and Social Change</i> , 2019, 145, 195-206.	11.6	281
5	Buckling analysis and optimisation of variable angle tow composite plates. <i>Thin-Walled Structures</i> , 2012, 60, 163-172.	5.3	234
6	The use of composite materials in modern orthopaedic medicine and prosthetic devices: A review. <i>Composites Science and Technology</i> , 2011, 71, 1791-1803.	7.8	232
7	Concepts for morphing airfoil sections using bi-stable laminated composite structures. <i>Thin-Walled Structures</i> , 2008, 46, 689-701.	5.3	217
8	Review of morphing concepts and materials for wind turbine blade applications. <i>Wind Energy</i> , 2013, 16, 283-307.	4.2	209
9	Continuous tow shearing for manufacturing variable angle tow composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1347-1356.	7.6	188
10	A Lead-Free and High-Energy Density Ceramic for Energy Storage Applications. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2699-2702.	3.8	179
11	Bistable plates for morphing structures: A refined analytical approach with high-order polynomials. <i>International Journal of Solids and Structures</i> , 2010, 47, 3412-3425.	2.7	159
12	Measurement techniques for piezoelectric nanogenerators. <i>Energy and Environmental Science</i> , 2013, 6, 3035.	30.8	158
13	A nonlinear spring mechanism incorporating a bistable composite plate for vibration isolation. <i>Journal of Sound and Vibration</i> , 2013, 332, 6265-6275.	3.9	135
14	Bistable prestressed buckled laminates. <i>Composites Science and Technology</i> , 2008, 68, 3431-3437.	7.8	130
15	Integrated sustainability assessment: what is it, why do it and how?. <i>International Journal of Innovation and Sustainable Development</i> , 2006, 1, 284.	0.4	127
16	Composite corrugated structures for morphing wing skin applications. <i>Smart Materials and Structures</i> , 2010, 19, 124009.	3.5	125
17	Framework for the Buckling Optimization of Variable-Angle Tow Composite Plates. <i>AIAA Journal</i> , 2015, 53, 3788-3804.	2.6	120
18	Analysis of morphing, multi stable structures actuated by piezoelectric patches. <i>Computers and Structures</i> , 2008, 86, 347-356.	4.4	115

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19	Analysis of thermally induced multistable composites. International Journal of Solids and Structures, 2008, 45, 657-675.	2.7	110
20	Multistable composite plates with piecewise variation of lay-up in the planform. International Journal of Solids and Structures, 2009, 46, 151-164.	2.7	110
21	Prebuckling and buckling analysis of variable angle tow plates with general boundary conditions. Composite Structures, 2012, 94, 2961-2970.	5.8	110
22	Piezoelectric materials for high temperature transducers and actuators. Journal of Materials Science: Materials in Electronics, 2015, 26, 9256-9267.	2.2	109
23	Dynamic analysis of bi-stable composite plates. Journal of Sound and Vibration, 2009, 322, 987-1004.	3.9	107
24	Improved aeroelastic tailoring using tow-steered composites. Composite Structures, 2013, 106, 703-715.	5.8	106
25	Manufacturing characteristics of the continuous tow shearing method for manufacturing of variable angle tow composites. Composites Part A: Applied Science and Manufacturing, 2014, 61, 141-151.	7.6	98
26	Postbuckling analysis of variable angle tow composite plates. International Journal of Solids and Structures, 2013, 50, 1770-1780.	2.7	96
27	Nanostructured p-n Junctions for Kinetic-to-Electrical Energy Conversion. Advanced Energy Materials, 2012, 2, 1261-1268.	19.5	94
28	An environmental life cycle optimization model for the European pulp and paper industry. Omega, 1996, 24, 615-629.	5.9	93
29	Review of shape-morphing automobile structures: concepts and outlook. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2013, 227, 1603-1622.	1.9	93
30	Bistable Prestressed Symmetric Laminates. Journal of Composite Materials, 2010, 44, 1119-1137.	2.4	91
31	A simple, low-cost CVD route to thin films of BiFeO <sub>3</sub> for efficient water photo-oxidation. Journal of Materials Chemistry A, 2014, 2, 2922.	10.3	89
32	Minimum mass vascular networks in multifunctional materials. Journal of the Royal Society Interface, 2008, 5, 55-65.	3.4	87
33	Buckling analysis of stiffened variable angle tow panels. Composite Structures, 2014, 111, 259-270.	5.8	86
34	A Morphing Composite Air Inlet with Multiple Stable Shapes. Journal of Intelligent Material Systems and Structures, 2011, 22, 961-973.	2.5	85
35	Pseudo-bistable self-actuated domes for morphing applications. International Journal of Solids and Structures, 2012, 49, 1077-1087.	2.7	84
36	Optimization of Long Anisotropic Laminated Fiber Composite Panels with T-Shaped Stiffeners. AIAA Journal, 2007, 45, 2497-2509.	2.6	82

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37	Post-buckling analyses of variable-stiffness composite cylinders in axial compression. Composite Structures, 2015, 123, 190-203.	5.8	82
38	On the thermally induced bistability of composite cylindrical shells for morphing structures. International Journal of Solids and Structures, 2012, 49, 685-700.	2.7	81
39	Postbuckling optimisation of variable angle tow composite plates. Composite Structures, 2013, 103, 34-42.	5.8	81
40	Thermally activated switching kinetics in second-order phase transition ferroelectrics. Physical Review B, 2010, 82, .	3.2	80
41	Optimisation of blended bistable laminates for a morphing flap. Composite Structures, 2012, 94, 3092-3105.	5.8	78
42	On feasible regions of lamination parameters for lay-up optimization of laminated composites. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 1123-1143.	2.1	77
43	Aeroelastic Study of Bistable Composite Airfoils. Journal of Aircraft, 2009, 46, 2169-2174.	2.4	76
44	Multi-stable composite twisting structure for morphing applications. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 1230-1251.	2.1	76
45	Phenomena in the bifurcation of unsymmetric composite plates. Composites Part A: Applied Science and Manufacturing, 2007, 38, 100-106.	7.6	75
46	A morphing trailing edge device for a wind turbine. Journal of Intelligent Material Systems and Structures, 2012, 23, 691-701.	2.5	75
47	Reversibility in electric field-induced transitions and energy storage properties of bismuth-based perovskite ceramics. Journal Physics D: Applied Physics, 2012, 45, 355302.	2.8	74
48	A concept for the generation of out-of-plane distortion from tailored FRP laminates. Composites Part A: Applied Science and Manufacturing, 2004, 35, 1353-1361.	7.6	73
49	Bistable Composite Flap for an Airfoil. Journal of Aircraft, 2010, 47, 334-338.	2.4	73
50	Neural correlates of STN DBS-induced cognitive variability in Parkinson disease. Neuropsychologia, 2008, 46, 3162-3169.	1.6	70
51	Increasing recoverable energy storage in electroceramic capacitors using "dead-layer" engineering. Applied Physics Letters, 2012, 101, .	3.3	69
52	Analysis of unsymmetric CFRP-metal hybrid laminates for use in adaptive structures. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1712-1718.	7.6	66
53	Postbuckling optimisation of a variable angle tow composite wingbox using a multi-modal Koiter approach. Thin-Walled Structures, 2019, 138, 183-198.	5.3	66
54	Buckling analysis of variable angle tow, variable thickness panels with transverse shear effects. Composite Structures, 2014, 107, 482-493.	5.8	64

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55	Post-buckling analysis of variable-angle tow composite plates using Koiter's approach and the finite element method. <i>Thin-Walled Structures</i> , 2017, 110, 1-13.	5.3	63
56	Environmental effects on thermally induced multistability in unsymmetric composite laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 1240-1247.	7.6	62
57	Initial post-buckling of variable-stiffness curved panels. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 71, 132-155.	4.8	61
58	Optimization of postbuckling behaviour of variable thickness composite panels with variable angle tows: Towards "Buckle-Free" design concept. <i>International Journal of Solids and Structures</i> , 2018, 132-133, 66-79.	2.7	61
59	Aeroelastic Tailoring of a Representative Wing Box Using Tow-Steered Composites. <i>AIAA Journal</i> , 2017, 55, 1425-1439.	2.6	60
60	Charge redistribution in piezoelectric energy harvesters. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	59
61	Postbuckling analysis of variable angle tow plates using differential quadrature method. <i>Composite Structures</i> , 2013, 106, 74-84.	5.8	59
62	Aerodynamic and aeroacoustic performance of airfoils with morphing structures. <i>Wind Energy</i> , 2016, 19, 1325-1339.	4.2	59
63	Bistable hybrid symmetric laminates. <i>Composite Structures</i> , 2014, 116, 782-792.	5.8	58
64	On displacement-based and mixed-variational equivalent single layer theories for modelling highly heterogeneous laminated beams. <i>International Journal of Solids and Structures</i> , 2015, 59, 147-170.	2.7	58
65	Buckling and postbuckling of variable angle tow composite plates under in-plane shear loading. <i>International Journal of Solids and Structures</i> , 2015, 58, 270-287.	2.7	58
66	A study of the influence of processing parameters on steering of carbon Fibre/PEEK tapes using laser-assisted tape placement. <i>Composites Part B: Engineering</i> , 2019, 163, 243-251.	12.0	58
67	Material limits for shape efficiency. <i>Progress in Materials Science</i> , 1997, 41, 61-128.	32.8	56
68	Multi-stable cylindrical lattices. <i>Journal of the Mechanics and Physics of Solids</i> , 2013, 61, 2087-2107.	4.8	55
69	Visible-light driven water splitting over BiFeO <sub>3</sub> photoanodes grown via the LPCVD reaction of [Bi(O <sup>t</sup> Bu) <sub>3</sub> ] and [Fe(O <sup>t</sup> Bu) <sub>3</sub> ] <sub>2</sub> and enhanced with a surface nickel oxygen evolution catalyst. <i>Nanoscale</i> , 2015, 7, 16343-16353.	5.6	55
70	Effects of Long-Term Stowage on the Deployment of Bistable Tape Springs. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	55
71	Improved performance of "n junction-based ZnO nanogenerators through CuSCN-passivation of ZnO nanorods. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10945.	10.3	54
72	Computer aided modelling of variable angle tow composites manufactured by continuous tow shearing. <i>Composite Structures</i> , 2015, 129, 256-267.	5.8	54

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73	Piezoelectric properties of template-free electrochemically grown ZnO nanorod arrays. Applied Surface Science, 2015, 356, 1214-1220.	6.1	54
74	Static inconsistencies in certain axiomatic higher-order shear deformation theories for beams, plates and shells. Composite Structures, 2015, 120, 231-245.	5.8	54
75	Arc motion and gas flow in current limiting circuit breakers operating with a low contact switching velocity. IEEE Transactions on Components and Packaging Technologies, 2002, 25, 427-433.	1.3	52
76	Unilateral vs. bilateral STN DBS effects on working memory and motor function in Parkinson disease. Experimental Neurology, 2008, 210, 402-408.	4.1	52
77	Uncertainty quantification of aeroelastic stability of composite plate wings using lamination parameters. Composite Structures, 2014, 116, 84-93.	5.8	52
78	Optimization of Tow-Steered Composite Wing Laminates for Aeroelastic Tailoring. AIAA Journal, 2015, 53, 2203-2215.	2.6	52
79	Tristability of an orthotropic doubly curved shell. Composite Structures, 2013, 96, 446-454.	5.8	51
80	Lay-Up Optimization of Composite Stiffened Panels Using Linear Approximations in Lamination Space. AIAA Journal, 2008, 46, 2387-2391.	2.6	50
81	The Optimal Selection of Material and Section-shape. Journal of Engineering Design, 1996, 7, 129-150.	2.3	49
82	Buckling analysis, design and optimisation of variable-stiffness sandwich panels. International Journal of Solids and Structures, 2016, 96, 217-228.	2.7	49
83	Temperature profiles in composite plates subject to time-dependent complex boundary conditions. Composite Structures, 2003, 59, 267-278.	5.8	48
84	Anisotropic effects in the compression buckling of laminated composite cylindrical shells. Composites Science and Technology, 2002, 62, 91-105.	7.8	47
85	The effect of relative humidity, temperature and electrical field on leakage currents in piezo-ceramic actuators under dc bias. Sensors and Actuators A: Physical, 2009, 151, 179-186.	4.1	46
86	Three-dimensional stress analysis for laminated composite and sandwich structures. Composites Part B: Engineering, 2018, 155, 299-328.	12.0	46
87	Investigation of trapezoidal corrugated aramid/epoxy laminates under large tensile displacements transverse to the corrugation direction. Composites Part A: Applied Science and Manufacturing, 2010, 41, 168-176.	7.6	45
88	Thermo-mechanical post-buckling analysis of variable angle tow composite plate assemblies. Composite Structures, 2018, 183, 620-635.	5.8	45
89	Morphing shell structures: A generalised modelling approach. Composite Structures, 2015, 131, 1017-1027.	5.8	44
90	Arc root commutation from moving contacts in low voltage devices. IEEE Transactions on Components and Packaging Technologies, 2001, 24, 331-336.	1.3	43

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91	Multi-mode morphing using initially curved composite plates. <i>Composite Structures</i> , 2014, 109, 240-245.	5.8	43
92	Stiffness tailoring of elliptical composite cylinders for axial buckling performance. <i>Composite Structures</i> , 2016, 150, 115-123.	5.8	43
93	Mixed shell element for static and buckling analysis of variable angle tow composite plates. <i>Composite Structures</i> , 2016, 152, 324-338.	5.8	43
94	Adaptive compliant structures for flow regulation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20170334.	2.1	43
95	Review of arcing phenomena in low voltage current limiting circuit breakers. <i>IET Science, Measurement and Technology</i> , 2001, 148, 1-7.	0.7	42
96	Design and testing of a deformable wind turbine blade control surface. <i>Smart Materials and Structures</i> , 2012, 21, 105019.	3.5	42
97	Towards imperfection insensitive buckling response of shell structures-shells with plate-like post-buckled responses. <i>Aeronautical Journal</i> , 2016, 120, 233-253.	1.6	42
98	Morphing high-temperature composite plates utilizing thermal gradients. <i>Composite Structures</i> , 2013, 100, 363-372.	5.8	41
99	Experimenting with alternative economies: four emergent counter-narratives of urban economic development. <i>Current Opinion in Environmental Sustainability</i> , 2016, 22, 69-74.	6.3	41
100	Light-Triggered Soft Artificial Muscles: Molecular-Level Amplification of Actuation Control Signals. <i>Scientific Reports</i> , 2017, 7, 9197.	3.3	41
101	Buckling analysis of variable angle tow composite plates with a through-the-width or an embedded rectangular delamination. <i>International Journal of Solids and Structures</i> , 2018, 138, 166-180.	2.7	41
102	Approximate Solution and Optimum Design of Compression-Loaded, Postbuckled Laminated Composite Plates.. <i>AIAA Journal</i> , 2005, 43, 906-914.	2.6	40
103	Analysis and benchmarking of meta-heuristic techniques for lay-up optimization. <i>Computers and Structures</i> , 2010, 88, 272-282.	4.4	40
104	Postbuckling optimization of composite structures using Koiter's method. <i>International Journal for Numerical Methods in Engineering</i> , 2016, 108, 902-940.	2.8	39
105	Large deflection of functionally graded porous beams based on a geometrically exact theory with a fully intrinsic formulation. <i>Applied Mathematical Modelling</i> , 2019, 76, 938-957.	4.2	39
106	Selection of materials to reduce environmental impact: a case study on refrigerator insulation. <i>Materials &amp; Design</i> , 1996, 17, 11-17.	5.1	38
107	Postbuckling of long unsymmetrically laminated composite plates under axial compression. <i>International Journal of Solids and Structures</i> , 2006, 43, 6978-6997.	2.7	38
108	Stiffness tailoring using prestress in adaptive composite structures. <i>Composite Structures</i> , 2013, 106, 282-287.	5.8	38

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109	Structural efficiency of a wind turbine blade. <i>Thin-Walled Structures</i> , 2013, 67, 144-154.	5.3	38
110	A computationally efficient 2D model for inherently equilibrated 3D stress predictions in heterogeneous laminated plates. Part I: Model formulation. <i>Composite Structures</i> , 2016, 156, 171-185.	5.8	38
111	Influence of repass treatment on carbon fibre-reinforced PEEK composites manufactured using laser-assisted automatic tape placement. <i>Composite Structures</i> , 2020, 248, 112539.	5.8	38
112	Design of laminated composite cylindrical shells under axial compression. <i>Composites Part B: Engineering</i> , 2000, 31, 669-679.	12.0	37
113	Bounds on Flexural Properties and Buckling Response for Symmetrically Laminated Composite Plates. <i>Journal of Engineering Mechanics - ASCE</i> , 2007, 133, 1178-1191.	2.9	35
114	The application of thermally induced multistable composites to morphing aircraft structures. <i>Proceedings of SPIE</i> , 2008, , .	0.8	35
115	Mechanical behaviour of circular and triangular glass fibres and their composites. <i>Composites Science and Technology</i> , 2002, 62, 1051-1061.	7.8	34
116	Defect-Mediated Lattice Relaxation and Domain Stability in Ferroelectric Oxides. <i>Physical Review Letters</i> , 2012, 109, 117601.	7.8	34
117	Buckling of Variable Angle Tow Plates: From Concept to Experiment. , 2009, , .		33
118	Investigation of thermally induced bistable behaviour for tow-steered laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 926-934.	7.6	33
119	The effect of substrate geometry and surface orientation on the film structure of DLC deposited using PECVD. <i>Surface and Coatings Technology</i> , 2014, 254, 73-78.	4.8	33
120	Biomimetic photo-actuation: sensing, control and actuation in sun-tracking plants. <i>Bioinspiration and Biomimetics</i> , 2014, 9, 036015.	2.9	32
121	The economic crisis as a game changer? Exploring the role of social construction in sustainability transitions. <i>Ecology and Society</i> , 2016, 21, .	2.3	32
122	A 2D equivalent single-layer formulation for the effect of transverse shear on laminated plates with curvilinear fibres. <i>Composite Structures</i> , 2013, 100, 464-478.	5.8	30
123	A computationally efficient 2D model for inherently equilibrated 3D stress predictions in heterogeneous laminated plates. Part II: Model validation. <i>Composite Structures</i> , 2016, 156, 186-217.	5.8	30
124	Design, Manufacture and Test of an In-Situ Consolidated Thermoplastic Variable-Stiffness Wingbox. <i>AIAA Journal</i> , 2019, 57, 1671-1683.	2.6	30
125	An efficient semi-analytical framework to tailor snap-through loads in bistable variable stiffness laminates. <i>International Journal of Solids and Structures</i> , 2020, 195, 91-107.	2.7	30
126	Initial sizing optimisation of anisotropic composite panels with T-shaped stiffeners. <i>Thin-Walled Structures</i> , 2008, 46, 399-412.	5.3	29



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127	On the structural topology of wind turbine blades. <i>Wind Energy</i> , 2013, 16, 545-560.	4.2	29
128	A zero torsional stiffness twist morphing blade as a wind turbine load alleviation device. <i>Smart Materials and Structures</i> , 2013, 22, 065016.	3.5	29
129	Pseudo-bistable pre-stressed morphing composite panels. <i>International Journal of Solids and Structures</i> , 2013, 50, 1033-1043.	2.7	29
130	Three-dimensional stress analysis for beam-like structures using Serendipity Lagrange shape functions. <i>International Journal of Solids and Structures</i> , 2018, 141-142, 279-296.	2.7	29
131	An isogeometric framework for the optimal design of variable stiffness shells undergoing large deformations. <i>International Journal of Solids and Structures</i> , 2021, 210-211, 18-34.	2.7	29
132	The effect of flexural/twist anisotropy on compression buckling of quasi-isotropic laminated cylindrical shells. <i>Composite Structures</i> , 2002, 55, 195-204.	5.8	28
133	What roles are there for sustainability assessment in the policy process?. <i>International Journal of Innovation and Sustainable Development</i> , 2008, 3, 9.	0.4	28
134	Polarization dynamics and non-equilibrium switching processes in ferroelectrics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1867-1873.	3.0	28
135	Effects of aeroelastic tailoring on performance characteristics of wind turbine systems. <i>Renewable Energy</i> , 2017, 114, 887-903.	8.9	28
136	Optimal Postbuckling Design of Variable Angle Tow Composite Plates. <i>AIAA Journal</i> , 2018, 56, 2045-2061.	2.6	28
137	Analysis of skin-stringer debonding in composite panels through a two-way global-local method. <i>Composite Structures</i> , 2018, 202, 1280-1294.	5.8	28
138	A mixed inverse differential quadrature method for static analysis of constant- and variable-stiffness laminated beams based on Hellinger-Reissner mixed variational formulation. <i>International Journal of Solids and Structures</i> , 2021, 210-211, 66-87.	2.7	28
139	Arc root mobility during contact opening at high current. <i>IEEE Transactions on Components and Packaging Technologies</i> , 1998, 21, 61-67.	0.7	27
140	Approximate analysis for buckling of compression loaded long rectangular plates with flexural/twist anisotropy. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2006, 462, 59-73.	2.1	27
141	The Brazier effect in wind turbine blades and its influence on design. <i>Wind Energy</i> , 2012, 15, 319-333.	4.2	27
142	Bio-inspired structural bistability employing elastomeric origami for morphing applications. <i>Smart Materials and Structures</i> , 2014, 23, 125011.	3.5	27
143	The application of residual stress tailoring of snap-through composites for variable sweep wings. , 2006, , .		26
144	Learning and evaluation in Integrated Sustainability Assessment. <i>International Journal of Innovation and Sustainable Development</i> , 2008, 3, 128.	0.4	26

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145	A novel adaptive blade concept for large-scale wind turbines. Part II: Structural design and power performance. <i>Energy</i> , 2014, 73, 25-32.	8.8	26
146	Structural design of a novel aeroelastically tailored wind turbine blade. <i>Thin-Walled Structures</i> , 2015, 95, 7-15.	5.3	26
147	Higher-order beam model for stress predictions in curved beams made from anisotropic materials. <i>International Journal of Solids and Structures</i> , 2016, 97-98, 16-28.	2.7	26
148	Inverse differential quadrature method for structural analysis of composite plates. <i>Computers and Structures</i> , 2022, 263, 106745.	4.4	26
149	Magnetic and gas dynamic effects on arc motion in miniature circuit breakers. <i>IEEE Transactions on Components and Packaging Technologies</i> , 1994, 17, 39-46.	0.7	25
150	Thermally Driven Morphing and Snap-Through Behavior of Hybrid Laminate Shells. <i>AIAA Journal</i> , 2016, 54, 1778-1788.	2.6	25
151	Dynamics and control of twisting bi-stable structures. <i>Smart Materials and Structures</i> , 2018, 27, 025006.	3.5	25
152	A semi-analytical approach for the analysis of variable-stiffness panels with curvilinear stiffeners. <i>International Journal of Solids and Structures</i> , 2020, 188-189, 244-260.	2.7	25
153	Ritz Solution for Transient Analysis of Variable-Stiffness Shell Structures. <i>AIAA Journal</i> , 2020, 58, 1796-1810.	2.6	25
154	Lightweight Shape-Adaptable Airfoils: A New Challenge for an Old Dream. , 0, , 89-135.		24
155	Temperature dependence of high field electromechanical coupling in ferroelectric ceramics. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 165404.	2.8	24
156	Enhanced two-level optimization of anisotropic laminated composite plates with strength and buckling constraints. <i>Thin-Walled Structures</i> , 2009, 47, 1161-1167.	5.3	23
157	Optimisation of composite structures "Enforcing the feasibility of lamination parameter constraints with computationally-efficient maps. <i>Composite Structures</i> , 2018, 192, 605-615.	5.8	23
158	Optimization of anisotropic composite panels with T-shaped stiffeners including transverse shear effects and out-of-plane loading. <i>Structural and Multidisciplinary Optimization</i> , 2008, 37, 165-184.	3.5	22
159	Improved Design Formulas for Buckling of Orthotropic Plates Under Combined Loading. <i>AIAA Journal</i> , 2008, 46, 2391-2396.	2.6	22
160	Approximate Nonlinear Analysis Method for Debonding of Skin/Stringer Composite Assemblies. <i>AIAA Journal</i> , 2008, 46, 1144-1159.	2.6	22
161	A novel adaptive blade concept for large-scale wind turbines. Part I: Aeroelastic behaviour. <i>Energy</i> , 2014, 73, 15-24.	8.8	22
162	Concept for morphing airfoil with zero torsional stiffness. <i>Thin-Walled Structures</i> , 2015, 94, 129-134.	5.3	22

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163	Morphing composite cylindrical lattices: Enhanced modelling and experiments. Journal of the Mechanics and Physics of Solids, 2020, 135, 103779.	4.8	22
164	Bend-free shells under uniform pressure with variable-angle tow derived anisotropy. Composite Structures, 2012, 94, 3207-3214.	5.8	21
165	Properties of a thermoplastic composite skin-stiffener interface in a stiffened structure manufactured by laser-assisted tape placement with in situ consolidation. Composite Structures, 2019, 214, 123-131.	5.8	21
166	Concurrent design and manufacture of a thermoplastic composite stiffener. Composite Structures, 2019, 212, 271-280.	5.8	21
167	Anisotropy-Induced Spiral Buckling in Compression-Loaded Cylindrical Shells. AIAA Journal, 2002, 40, 1001-1007.	2.6	20
168	Brazier Effect in Multibay Airfoil Sections. AIAA Journal, 2005, 43, 2252-2258.	2.6	20
169	On a Bistable Flap for an Airfoil. , 2009, , .		20
170	The effects of porosity, electrode and barrier materials on the conductivity of piezoelectric ceramics in high humidity and dc electric field. Smart Materials and Structures, 2012, 21, 045012.	3.5	20
171	Dynamic instability of curved variable angle tow composite panel under axial compression. Thin-Walled Structures, 2019, 138, 302-312.	5.3	20
172	Static deflection of fully coupled composite Timoshenko beams: An exact analytical solution. European Journal of Mechanics, A/Solids, 2020, 81, 103975.	3.7	20
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