

Transverse shear stiffness of a chevron folded core used

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#	ARTICLE	IF	CITATIONS
2	Mechanics of Generalized Continua. <i>Advanced Structured Materials</i> , 2011, , .	0.3	47
3	A Bending-Gradient model for thick plates, Part II: Closed-form solutions for cylindrical bending of laminates. <i>International Journal of Solids and Structures</i> , 2011, 48, 2889-2901.	1.3	34
4	A Bending-Gradient model for thick plates. Part I: Theory. <i>International Journal of Solids and Structures</i> , 2011, 48, 2878-2888.	1.3	57
5	Wedge-shaped folded sandwich cores for aircraft applications: from design and manufacturing process to experimental structure validation. <i>CEAS Aeronautical Journal</i> , 2011, 2, 203-212.	0.9	19
6	Calculation of the parameters of stress-strain and ultimate states of composite foldcores under transverse compression and shear. <i>Mechanics of Composite Materials</i> , 2012, 48, 415-426.	0.9	6
7	Homogenization of thick periodic plates: Application of the Bending-Gradient plate theory to a folded core sandwich panel. <i>International Journal of Solids and Structures</i> , 2012, 49, 2778-2792.	1.3	51
8	Homogenization of cellular sandwich panels. <i>Comptes Rendus - Mecanique</i> , 2012, 340, 320-337.	2.1	22
9	Shear and bending performance of carbon fiber composite sandwich panels with pyramidal truss cores. <i>Acta Materialia</i> , 2012, 60, 1455-1466.	3.8	147
10	Numerical assessment of the impact behavior of honeycomb sandwich structures. <i>Composite Structures</i> , 2013, 106, 326-339.	3.1	57
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14	Analytical, numerical and experimental study of the transverse shear behavior of a 3D reinforced sandwich structure. <i>European Journal of Mechanics, A/Solids</i> , 2014, 47, 231-245.	2.1	7
15	Rigidly foldable origami gadgets and tessellations. <i>Royal Society Open Science</i> , 2015, 2, 150067.	1.1	94
17	Multiscale computational homogenization of heterogeneous shells at small strains with extensions to finite displacements and buckling. <i>International Journal for Numerical Methods in Engineering</i> , 2015, 104, 235-259.	1.5	25
19	From Folds to Structures, a Review. <i>International Journal of Space Structures</i> , 2015, 30, 55-74.	0.3	95
20	Deformation of the Miura-ori patterned sheet. <i>International Journal of Mechanical Sciences</i> , 2015, 99, 130-142.	3.6	105
21	Topological design optimization of lattice structures to maximize shear stiffness. <i>Advances in Engineering Software</i> , 2017, 112, 211-221.	1.8	54

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22	Crush dynamics and transient deformations of elastic-plastic Miura-ori core sandwich plates. <i>Thin-Walled Structures</i> , 2017, 115, 311-322.	2.7	52
23	Development and modeling of multi-phase polymeric origami inspired architecture by using pre-molded geometrical features. <i>Smart Materials and Structures</i> , 2017, 26, 025012.	1.8	9
24	Prediction and experiment on the compressive property of the sandwich structure with a chevron carbon-fibre-reinforced composite folded core. <i>Composites Science and Technology</i> , 2017, 150, 95-101.	3.8	36
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26	Thermal-Mechanical Optimization of Folded Core Sandwich Panels for Thermal Protection Systems of Space Vehicles. <i>International Journal of Aerospace Engineering</i> , 2017, 2017, 1-12.	0.5	7
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29	Analytical solution for cylindrical bending of two-layered corrugated and webcore sandwich panels. <i>Thin-Walled Structures</i> , 2018, 123, 509-519.	2.7	32
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35	Optimization investigation on configuration parameters of sine wavy fin in plate-fin heat exchanger based on fluid structure interaction analysis. <i>International Journal of Heat and Mass Transfer</i> , 2019, 131, 385-402.	2.5	44
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41	Carbon substrates: a review on fabrication, properties and applications. <i>Carbon Letters</i> , 2021, 31, 557-580.	3.3	66
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44	A Bending-gradient Theory for Thick Laminated Plates Homogenization. <i>Advanced Structured Materials</i> , 2011, , 77-95.	0.3	0
45	Comparative study of bending stiffness of sandwich plates with cellular cores. <i>Scientific Letters of Rzeszow University of Technology - Mechanics</i> , 2017, , 63-70.	0.2	0
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