Riccardo Vescovini

List of Publications by Year
in descending order

40 papers	865 citations	471509 17 h-index	477307 29 g-index
40 all docs	40 docs citations	40 times ranked	474 citing authors

#	Article	IF	Citations
1	Analytical formulation for local buckling and post-buckling analysis of stiffened laminated panels. Thin-Walled Structures, 2009, 47, 318-334.	5.3	103
2	A variable-kinematic model for variable stiffness plates: Vibration and buckling analysis. Composite Structures, 2016, 142, 15-26.	5.8	83
3	On the application of the Ritz method to free vibration and buckling analysis of highly anisotropic plates. Composite Structures, 2018, 192, 460-474.	5.8	54
4	Single-Stringer Compression Specimen for the Assessment of Damage Tolerance of Postbuckled Structures. Journal of Aircraft, 2011, 48, 495-502.	2.4	53
5	Buckling and wrinkling of anisotropic sandwich plates. International Journal of Engineering Science, 2018, 130, 136-156.	5.0	47
6	Bending analysis of composite laminated and sandwich structures using sublaminate variable-kinematic Ritz models. Composite Structures, 2016, 155, 45-62.	5.8	46
7	Fast Tool for Buckling Analysis and Optimization of Stiffened Panels. Journal of Aircraft, 2009, 46, 2041-2053.	2.4	38
8	Buckling Analysis and Optimization of Stiffened Composite Flat and Curved Panels. AIAA Journal, 2012, 50, 904-915.	2.6	38
9	Two-step procedure for fast post-buckling analysis of composite stiffened panels. Computers and Structures, 2013, 128, 38-47.	4.4	37
10	Failure analysis of composite multi-stringer panels using simplified models. Composites Part B: Engineering, 2013, 45, 939-951.	12.0	36
11	Exact refined buckling solutions for laminated plates under uniaxial and biaxial loads. Composite Structures, 2015, 127, 356-368.	5.8	35
12	Single-mode solution for post-buckling analysis of composite panels with elastic restraints loaded in compression. Composites Part B: Engineering, 2012, 43, 1258-1274.	12.0	30
13	Semi-analytical buckling analysis of omega stiffened panels under multi-axial loads. Composite Structures, 2015, 120, 285-299.	5.8	26
14	Efficient post-buckling analysis of variable-stiffness plates using a perturbation approach. Thin-Walled Structures, 2019, 143, 106211.	5.3	26
15	A semi-analytical approach for the analysis of variable-stiffness panels with curvilinear stiffeners. International Journal of Solids and Structures, 2020, 188-189, 244-260.	2.7	25
16	Thermal buckling response of laminated and sandwich plates using refined 2-D models. Composite Structures, 2017, 176, 313-328.	5.8	24
17	A framework based on physics-informed neural networks and extreme learning for the analysis of composite structures. Computers and Structures, 2022, 265, 106761.	4.4	20
18	Thermal Buckling Behaviour of Thin and Thick Variable-Stiffness Panels. Journal of Composites Science, 2018, 2, 58.	3.0	17

#	Article	IF	Citations
19	Dynamic response of viscoelastic multiple-core sandwich structures. Journal of Sound and Vibration, 2021, 491, 115753.	3.9	17
20	A procedure for the evaluation of damping effects in composite laminated structures. Progress in Aerospace Sciences, 2015, 78, 19-29.	12.1	12
21	A fast procedure for the design of composite stiffened panels. Aeronautical Journal, 2015, 119, 185-201.	1.6	11
22	Assessment of dynamic effects on aircraft design loads: The landing impact case. Progress in Aerospace Sciences, 2015, 78, 131-139.	12.1	11
23	Optimization of a Radial Point Interpolation Meshless strategy for strain gradient nanoplates. Engineering Analysis With Boundary Elements, 2022, 140, 70-78.	3.7	10
24	Hybrid geometric-dissipative arc-length methods for the quasi-static analysis of delamination problems. Computers and Structures, 2016, 175, 123-133.	4.4	9
25	A semi-analytical framework for nonlinear vibration analysis of variable stiffness plates. Composite Structures, 2021, 269, 113954.	5.8	9
26	Nonlinear vibration and instability of a randomly distributed CNT-reinforced composite plate subjected to localized in-plane parametric excitation. Applied Mathematical Modelling, 2022, 101, 453-480.	4.2	9
27	The Ritz – Sublaminate Generalized Unified Formulation approach for piezoelectric composite plates. International Journal of Smart and Nano Materials, 2018, 9, 34-55.	4.2	8
28	Analysis of multiple-core sandwich cylindrical shells using a sublaminate formulation. Composite Structures, 2019, 225, 111067.	5.8	8
29	Dynamic finite element simulations of composite stiffened panels with a transverse-isotropic viscoelastic energy dissipation model. Progress in Aerospace Sciences, 2015, 78, 30-38.	12.1	7
30	Sublaminate variable kinematics shell models for functionally graded sandwich panels: Bending and free vibration response. Mechanics of Advanced Materials and Structures, 2022, 29, 15-32.	2.6	6
31	Pre-buckling and Buckling Analysis of Variable-Stiffness, Curvilinearly Stiffened Panels. Aerotecnica Missili & Spazio, 2020, 99, 43-52.	0.9	5
32	Meshless Computational Strategy for Higher Order Strain Gradient Plate Models. Mathematical and Computational Applications, 2022, 27, 19.	1.3	2
33	Analysis of Monolithic and Sandwich Panels Subjected To Non-Uniform Thickness-Wise Boundary Conditions. Curved and Layered Structures, 2016, 5, 232-249.	1.3	1
34	Fast analysis of non-symmetric panels using semi-analytical techniques. Composites Part B: Engineering, 2016, 99, 48-62.	12.0	1
35	Analysis of Variable Stiffness Panels with Complex Geometries using R-Functions. , 2022, , .		1
36	Buckling Optimization of Stiffened Composite Flat and Curved Panels. , 2011, , .		0

#	Article	IF	Citations
37	Dynamic analysis of composite stiffened panels subjected to compressive load. , 2012, , .		0
38	Static and Dynamic Buckling of a DAEDALOS Composite Panel Including Material Damping. , 2015, , .		0
39	A Continuation Procedure for the Quasi-Static Analysis of Materially and Geometrically Nonlinear Structural Problems. Mathematical and Computational Applications, 2019, 24, 94.	1.3	0
40	Variable Kinematics Models for Advanced Composite Plates. Advanced Structured Materials, 2022, , 23-34.	0.5	0