

# Gian Luca Ghiringhelli

## List of Publications by Year in descending order

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25  
papers

1,053  
citations

623188

14  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic beam theory and applications. Computers and Structures, 1983, 16, 403-413.	2.4	366
2	Multibody Implementation of Finite Volume C Beams. AIAA Journal, 2000, 38, 131-138.	1.5	101
3	Dynamic response of mechanical systems by a weak Hamiltonian formulation. Computers and Structures, 1985, 20, 495-508.	2.4	96
4	Linear analysis of naturally curved and twisted anisotropic beams. Composites Part B: Engineering, 1992, 2, 433-456.	0.6	73
5	A review of particle damping modeling and testing. Journal of Sound and Vibration, 2019, 459, 114865.	2.1	69
6	Multilevel Structural Optimization for Preliminary Wing-Box Weight Estimation. Journal of Aircraft, 2010, 47, 475-489.	1.7	66
7	Anti-skid induced aircraft landing gear instability. Aerospace Science and Technology, 2008, 12, 627-637.	2.5	36
8	Multi-Body Analysis of a Tiltrotor Configuration. Nonlinear Dynamics, 1999, 19, 333-357.	2.7	33
9	Improvement of structures vibroacoustics by widespread embodiment of viscoelastic materials. Aerospace Science and Technology, 2013, 28, 227-241.	2.5	31
10	A review of friction damping modeling and testing. Archive of Applied Mechanics, 2020, 90, 107-126.	1.2	31
11	Linear, straight and untwisted anisotropic beam section properties from solid finite elements. Composites Part B: Engineering, 1994, 4, 1225-1239.	0.6	30
12	Testing of Semiactive Landing Gear Control for a General Aviation Aircraft. Journal of Aircraft, 2000, 37, 606-616.	1.7	23
13	Analysis of an actively twisted rotor by multibody global modeling. Composite Structures, 2001, 52, 113-122.	3.1	19
14	A comparison of methods used for the identification of flutter from experimental data. Journal of Sound and Vibration, 1987, 119, 39-51.	2.1	15
15	The Lifting System of a PrandtlPlane, Part 1: Design and Analysis of a Light Alloy Structural Solution. Springer Optimization and Its Applications, 2012, , 211-234.	0.6	15
16	Analytically driven experimental characterisation of damping in viscoelastic materials. Aerospace Science and Technology, 2015, 40, 75-85.	2.5	11
17	Integrated Aeroservoelastic Analysis of Induced Strain Rotor Blades. Mechanics of Advanced Materials and Structures, 2008, 15, 291-306.	1.5	9
18	Characterization of anisotropic, non-homogeneous plates with piezoelectric inclusions. Computers and Structures, 2005, 83, 1171-1190.	2.4	8

#	ARTICLE	IF	CITATIONS
19	Interlaminar edge stress analysis of composite cross-ply flat specimens. <i>Meccanica</i> , 1986, 21, 151-158.	1.2	5
20	Efficient Discrete Element Modeling of Particle Dampers. <i>Processes</i> , 2022, 10, 1247.	1.3	5
21	Experiments on active vibration and noise reduction of a panel using predictive techniques. <i>Structural Control and Health Monitoring</i> , 2008, 15, 1-19.	1.9	4
22	Influence of stacking sequence and interlaminar layer on stress singularities at free edge of composite laminates. <i>Meccanica</i> , 1990, 25, 32-39.	1.2	3
23	Nonlinear membrane inverse finite elements. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	3
24	Some experiences on vibrations and noise suppression with piezoelectric active control systems. <i>Structural Control and Health Monitoring</i> , 1999, 6, 235-256.	0.4	1
25	Multibody multidisciplinary rotorcraft analysis. , 2001, , 1084-1087.		0