

Carlos Es Cesnik

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,658
citations

430874

18
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1568
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in flapping wing aerodynamics and aeroelasticity. Progress in Aerospace Sciences, 2010, 46, 284-327.	12.1	802
2	On Timoshenko-like modeling of initially curved and twisted composite beams. International Journal of Solids and Structures, 2002, 39, 5101-5121.	2.7	334
3	Damage detection in composite materials using frequency response methods. Composites Part B: Engineering, 2002, 33, 87-95.	12.0	218
4	LIMIT-CYCLE OSCILLATIONS IN HIGH-ASPECT-RATIO WINGS. Journal of Fluids and Structures, 2001, 15, 107-132.	3.4	172
5	On a simplified strain energy function for geometrically nonlinear behaviour of anisotropic beams. Composites Part B: Engineering, 1992, 2, 513-526.	0.6	139
6	Assessment of beam modeling methods for rotor blade applications. Mathematical and Computer Modelling, 2001, 33, 1099-1112.	2.0	132
7	Effects of Elevated Temperature on Guided-wave Structural Health Monitoring. Journal of Intelligent Material Systems and Structures, 2008, 19, 1383-1398.	2.5	108
8	Strain-based geometrically nonlinear beam formulation for modeling very flexible aircraft. International Journal of Solids and Structures, 2011, 48, 2349-2360.	2.7	104
9	On the modeling of integrally actuated helicopter blades. International Journal of Solids and Structures, 2001, 38, 1765-1789.	2.7	100
10	Flutter and post-flutter constraints in aircraft design optimization. Progress in Aerospace Sciences, 2019, 109, 100537.	12.1	94
11	Reexamined Structural Design Procedures for Very Flexible Aircraft. Journal of Aircraft, 2014, 51, 1580-1591.	2.4	80
12	Non-classical effects in non-linear analysis of pretwisted anisotropic strips. International Journal of Non-Linear Mechanics, 1999, 34, 259-277.	2.6	62
13	Low reflection effect by 3D printed functionally graded acoustic black holes. Journal of Sound and Vibration, 2019, 450, 96-108.	3.9	45
14	Refined theory of composite beams: The role of short-wavelength extrapolation. International Journal of Solids and Structures, 1996, 33, 1387-1408.	2.7	44
15	Obliqueness effects in asymptotic cross-sectional analysis of composite beams. Computers and Structures, 2000, 76, 533-543.	4.4	34
16	Design and Manufacturing of a Model-scale Active Twist Rotor Prototype Blade. Journal of Intelligent Material Systems and Structures, 2008, 19, 1443-1456.	2.5	26
17	Flapping Wing CFD/CSD Aeroelastic Formulation Based on a Co-rotational Shell Finite Element. , 2009, , .		26
18	Model-less forecasting of Hopf bifurcations in fluid-structural systems. Journal of Fluids and Structures, 2018, 76, 1-13.	3.4	24

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical validation of guided wave phased arrays integrated within standard data acquisition systems for structural health monitoring. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2171.	4.0	22
20	Canard-Elevon Interactions on a Hypersonic Vehicle. <i>Journal of Spacecraft and Rockets</i> , 2010, 47, 90-100.	1.9	21
21	Active twist rotor blade modelling using particle-wake aerodynamics and geometrically exact beam structural dynamics. <i>Journal of Fluids and Structures</i> , 2004, 19, 651-668.	3.4	14
22	Output-based flutter bifurcation forecasting in nonlinear fluid-structural systems with multiple varying parameters. <i>Journal of Fluids and Structures</i> , 2021, 101, 103201.	3.4	12
23	Lamb-Wave Based Structural Health Monitoring. , 2005, , 235-258.		8
24	On the one-dimensional modeling of camber bending deformations in active anisotropic slender structures. <i>International Journal of Solids and Structures</i> , 2008, 45, 2097-2116.	2.7	8
25	Propeller influence on the aeroelastic stability of High Altitude Long Endurance aircraft. <i>Aeronautical Journal</i> , 2020, 124, 703-730.	1.6	8
26	New approaches to high speed civil transport multidisciplinary design and optimization. , 0, , .		6
27	Design and Characterization of a Variable-Length Piezocomposite Transducer for Structural Health Monitoring. <i>Journal of Intelligent Material Systems and Structures</i> , 2010, 21, 349-360.	2.5	5
28	Comparison of structural model reduction methods applied to a large-deformation wing box. <i>Aeronautical Journal</i> , 2021, 125, 1687-1709.	1.6	5
29	Flexible Wings and Fluid-Structure Interactions for Micro-Air Vehicles. , 2009, , 143-157.		3
30	Model Predictive Control with Constraint Aggregation Applied to Conventional and Very Flexible Aircraft*. , 2019, , .		2