

Branislav Titurus

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

361
citations

933447

10
h-index

839539

18
g-index

30
all docs

30
docs citations

30
times ranked

221
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration control of a rotating Timoshenko beam-tendon system via internal guiding inerter-dampers. <i>Journal of Sound and Vibration</i> , 2022, 516, 116542.	3.9	7
2	Design and GVT of a dynamically scaled wing structure for fuel sloshing investigations. , 2022, , .		3
3	Aeroelastic characteristics of a rotating blade axially loaded by an internally guided tendon. , 2022, , .		0
4	Nonlinear aeroelastic analysis of a damped elastica-aerofoil system. <i>Nonlinear Dynamics</i> , 2022, 109, 731-754.	5.2	1
5	Experimental modal analysis of a rotating tendon-loaded helicopter blade demonstrator. <i>Mechanical Systems and Signal Processing</i> , 2022, 178, 109286.	8.0	4
6	Gust Loads Alleviation Using Sloshing Fuel. , 2021, , .		9
7	Stability analysis of whirl flutter in rotor-nacelle systems with freeplay nonlinearity. <i>Nonlinear Dynamics</i> , 2021, 104, 65-89.	5.2	11
8	Modal analysis of a rotating pre-twisted beam axially loaded by an internally guided tendon. <i>Journal of Sound and Vibration</i> , 2021, 498, 115980.	3.9	8
9	Free vibration and stability analysis of a cantilever beam axially loaded by an intermittently attached tendon. <i>Mechanical Systems and Signal Processing</i> , 2021, 158, 107739.	8.0	11
10	Damping augmentation of a rotating beam-tendon system via internally placed spring-damper elements. <i>Journal of Sound and Vibration</i> , 2021, 510, 116315.	3.9	8
11	Sloshing induced damping across Froude numbers in a harmonically vertically excited system. <i>Journal of Sound and Vibration</i> , 2021, 510, 116302.	3.9	16
12	A Beam-Tendon System with an Eccentrically Mounted Tendon: Parametric Studies. , 2020, , .		0
13	Numerical and Experimental Modal Analysis of a Cantilever Beam Axially Loaded by a Tendon Which Is Attached in a Single Spanwise Location. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 107-116.	0.5	1
14	Free vibration analysis of a rotating pre-twisted beam subjected to tendon-induced axial loading. <i>Journal of Sound and Vibration</i> , 2019, 461, 114912.	3.9	14
15	Theoretical and experimental modal analysis of a beam-tendon system. <i>Mechanical Systems and Signal Processing</i> , 2019, 132, 55-71.	8.0	20
16	Resonance avoidance for variable speed rotor blades using an applied compressive load. <i>Aerospace Science and Technology</i> , 2019, 88, 222-232.	4.8	19
17	Aeroelastic eigenvalue analysis of a variable speed rotor blade with an applied compressive load. , 2019, , .		2
18	Theoretical and experimental free vibration analysis of a beam-tendon system with an eccentrically placed tendon. <i>Thin-Walled Structures</i> , 2019, 144, 106347.	5.3	2

#	ARTICLE	IF	CITATIONS
19	Liquid spring damper for vertical landing Reusable Launch Vehicle under impact conditions. Mechanical Systems and Signal Processing, 2019, 121, 579-599.	8.0	14
20	An active tendon concept in rotorcraft with variable speed rotors: free vibration perspective. , 2019, , .		3
21	Generalized Liquid-Based Damping Device for Passive Vibration Control. AIAA Journal, 2018, 56, 4134-4145.	2.6	6
22	Nonlinear stability analysis of whirl flutter in a rotor-nacelle system. Nonlinear Dynamics, 2018, 94, 2013-2032.	5.2	21
23	Damage detection using successive parameter subset selections and multiple modal residuals. Mechanical Systems and Signal Processing, 2014, 45, 193-206.	8.0	9
24	Vibration Control in a Helicopter with Semi-Active Hydraulic Lag Dampers. Journal of Guidance, Control, and Dynamics, 2013, 36, 577-588.	2.8	8
25	Modeling and Testing of a Semiactive Hydraulic Damper in Periodic Working Regimes. AIAA Journal, 2012, 50, 844-854.	2.6	9
26	A method for the identification of hydraulic damper characteristics from steady velocity inputs. Mechanical Systems and Signal Processing, 2010, 24, 2868-2887.	8.0	26
27	Integration of Hydraulic Lag-Damper Models with Helicopter Rotor Simulations. Journal of Guidance, Control, and Dynamics, 2010, 33, 200-211.	2.8	8
28	Modeling and Analysis of Semi-Active Dampers in Periodic Working Environments. AIAA Journal, 2009, 47, 2404-2416.	2.6	10
29	Regularization in model updating. International Journal for Numerical Methods in Engineering, 2008, 75, 440-478.	2.8	80
30	Damage detection using generic elements: Part II. Damage detection. Computers and Structures, 2003, 81, 2287-2299.	4.4	31