

# 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	Regularization in model updating. International Journal for Numerical Methods in Engineering, 2008, 75, 440-478.	2.8	80
2	Damage detection using generic elements: Part II. Damage detection. Computers and Structures, 2003, 81, 2287-2299.	4.4	31
3	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
4	Nonlinear stability analysis of whirl flutter in a rotor-nacelle system. Nonlinear Dynamics, 2018, 94, 2013-2032.	5.2	21
5	Theoretical and experimental modal analysis of a beam-tendon system. Mechanical Systems and Signal Processing, 2019, 132, 55-71.	8.0	20
6	Resonance avoidance for variable speed rotor blades using an applied compressive load. Aerospace Science and Technology, 2019, 88, 222-232.	4.8	19
7	Sloshing induced damping across Froude numbers in a harmonically vertically excited system. Journal of Sound and Vibration, 2021, 510, 116302.	3.9	16
8	Free vibration analysis of a rotating pre-twisted beam subjected to tendon-induced axial loading. Journal of Sound and Vibration, 2019, 461, 114912.	3.9	14
9	Liquid spring damper for vertical landing Reusable Launch Vehicle under impact conditions. Mechanical Systems and Signal Processing, 2019, 121, 579-599.	8.0	14
10	Stability analysis of whirl flutter in rotor-nacelle systems with freeplay nonlinearity. Nonlinear Dynamics, 2021, 104, 65-89.	5.2	11
11	Free vibration and stability analysis of a cantilever beam axially loaded by an intermittently attached tendon. Mechanical Systems and Signal Processing, 2021, 158, 107739.	8.0	11
12	Modeling and Analysis of Semi-Active Dampers in Periodic Working Environments. AIAA Journal, 2009, 47, 2404-2416.	2.6	10
13	Modeling and Testing of a Semiactive Hydraulic Damper in Periodic Working Regimes. AIAA Journal, 2012, 50, 844-854.	2.6	9
14	Damage detection using successive parameter subset selections and multiple modal residuals. Mechanical Systems and Signal Processing, 2014, 45, 193-206.	8.0	9
15	Gust Loads Alleviation Using Sloshing Fuel. , 2021, , .		9
16	Integration of Hydraulic Lag-Damper Models with Helicopter Rotor Simulations. Journal of Guidance, Control, and Dynamics, 2010, 33, 200-211.	2.8	8
17	Vibration Control in a Helicopter with Semi-Active Hydraulic Lag Dampers. Journal of Guidance, Control, and Dynamics, 2013, 36, 577-588.	2.8	8
18	Modal analysis of a rotating pre-twisted beam axially loaded by an internally guided tendon. Journal of Sound and Vibration, 2021, 498, 115980.	3.9	8

#	ARTICLE	IF	CITATIONS
19	Damping augmentation of a rotating beam-tendon system via internally placed spring-damper elements. Journal of Sound and Vibration, 2021, 510, 116315.	3.9	8
20	Vibration control of a rotating Timoshenko beam-tendon system via internal guiding inerter-dampers. Journal of Sound and Vibration, 2022, 516, 116542.	3.9	7
21	Generalized Liquid-Based Damping Device for Passive Vibration Control. AIAA Journal, 2018, 56, 4134-4145.	2.6	6
22	Experimental modal analysis of a rotating tendon-loaded helicopter blade demonstrator. Mechanical Systems and Signal Processing, 2022, 178, 109286.	8.0	4
23	An active tendon concept in rotorcraft with variable speed rotors: free vibration perspective. , 2019, , .		3
24	Design and GVT of a dynamically scaled wing structure for fuel sloshing investigations. , 2022, , .		3
25	Aeroelastic eigenvalue analysis of a variable speed rotor blade with an applied compressive load. , 2019, , .		2
26	Theoretical and experimental free vibration analysis of a beam-tendon system with an eccentrically placed tendon. Thin-Walled Structures, 2019, 144, 106347.	5.3	2
27	Numerical and Experimental Modal Analysis of a Cantilever Beam Axially Loaded by a Tendon Which Is Attached in a Single Spanwise Location. Conference Proceedings of the Society for Experimental Mechanics, 2020, , 107-116.	0.5	1
28	Nonlinear aeroelastic analysis of a damped elastica-aerofoil system. Nonlinear Dynamics, 2022, 109, 731-754.	5.2	1
29	A Beam-Tendon System with an Eccentrically Mounted Tendon: Parametric Studies. , 2020, , .		0
30	Aeroelastic characteristics of a rotating blade axially loaded by an internally guided tendon. , 2022, , .		0