

Jacopo Brunetti

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

169
citations

1163117

8
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

94
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction between contact behaviour and vibrational response for dry contact system. Mechanical Systems and Signal Processing, 2018, 110, 110-121.	8.0	42
2	A new instability index for unstable mode selection in squeal prediction by complex eigenvalue analysis. Journal of Sound and Vibration, 2016, 377, 106-122.	3.9	25
3	System dynamic instabilities induced by sliding contact: A numerical analysis with experimental validation. Mechanical Systems and Signal Processing, 2015, 58-59, 70-86.	8.0	15
4	Friction-induced vibrations in the framework of dynamic substructuring. Nonlinear Dynamics, 2021, 103, 3301-3314.	5.2	12
5	Dynamic coupling of substructures with sliding friction interfaces. Mechanical Systems and Signal Processing, 2020, 141, 106731.	8.0	11
6	Contact instability identification by phase shift on C/C friction materials. Mechanical Systems and Signal Processing, 2022, 171, 108902.	8.0	11
7	Dynamic and energy analysis of frictional contact instabilities on a lumped system. Meccanica, 2015, 50, 633-647.	2.0	10
8	Substructuresâ€™ coupling with nonlinear connecting elements. Nonlinear Dynamics, 2020, 99, 1643-1658.	5.2	10
9	Experimental Dynamic Substructuring of the Ampair Wind Turbine Test Bed. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 15-26.	0.5	8
10	Nonlinear substructuring in the modal domain: numerical validation and experimental verification in presence of localized nonlinearities. Nonlinear Dynamics, 2021, 104, 1043-1067.	5.2	6
11	Analysis of the Vibrations of Operatorsâ€™ Seats in Agricultural Machinery Using Dynamic Substructuring. Applied Sciences (Switzerland), 2021, 11, 4749.	2.5	6
12	Evaluation of Different Contact Assumptions in the Analysis of Friction-Induced Vibrations Using Dynamic Substructuring. Machines, 2022, 10, 384.	2.2	3
13	Dynamic Substructuring with Time Variant Interface Due to Sliding Friction. Lecture Notes in Mechanical Engineering, 2020, , 1459-1474.	0.4	1
14	Identification of Bolted Joint Properties Through Substructure Decoupling. Conference Proceedings of the Society for Experimental Mechanics, 2023, , 85-95.	0.5	0