

Mainak Mitra

List of Publications by Year in descending order

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15
papers

140
citations

1684188
5
h-index

1588992
8
g-index

15
all docs

15
docs citations

15
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Tutorial on Nonlinear Reduced Order Modeling for Nominally Cyclic Symmetric Structures and Rotating Machinery. Conference Proceedings of the Society for Experimental Mechanics, 2021, , 151-155.	0.5	0
2	A 3D-printed, touch-activated, sanitizer dispensing device for reducing healthcare-acquired infections. Journal of 3D Printing in Medicine, 2020, 4, 91-104.	2.0	0
3	Dynamic Modeling and Projection-Based Reduction Methods for Bladed Disks With Nonlinear Frictional and Intermittent Contact Interfaces. Applied Mechanics Reviews, 2019, 71, .	10.1	22
4	Dynamic model order reduction of blisks with nonlinear damping coatings using amplitude dependent mistuning. International Journal of Non-Linear Mechanics, 2019, 111, 49-59.	2.6	24
5	Application of Tuned Vibration Absorber Concept to Blisk Ring Dampers: A Nonlinear Study. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	13
6	Closure to “Discussion of “Dynamic Modeling and Projection-Based Reduction Methods for Bladed Disks With Nonlinear Frictional and Intermittent Contact Interfaces” (Wallaschek, J., Willeke, S., and Tj ETQq0,0,0 rgBT/Overlock 71, .	10.1	0
7	A Sensitivity Based Heuristic for Optimal Blade Arrangement in a Linear Mistuned Rotor. , 2018, , .		0
8	Adaptive Microslip Projection for Reduction of Frictional and Contact Nonlinearities in Shrouded Blisks. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	1.2	39
9	Effects of Contact Mistuning on Shrouded Blisk Dynamics. , 2016, , .		6
10	Adaptive Microslip Projection (AMP) for Reduction of Frictional and Contact Non-Linearities in Shrouded Blisks. , 2015, , .		0
11	On the coherency of dynamic load estimates for vehicles on flexible structures. Vehicle System Dynamics, 2014, 52, 299-316.	3.7	1
12	Development and validation of a pressure-type automated quantitative sensory testing system for point-of-care pain assessment. Medical and Biological Engineering and Computing, 2013, 51, 633-644.	2.8	29
13	Nonlinear modeling of the vehicle/structure interaction on a skewed highway bridge using an iterative uncoupled approach. Proceedings of SPIE, 2012, , .	0.8	2
14	Multimodal Automated Quantitative Sensory Testing System for Pain Research. Journal of Medical Devices, Transactions of the ASME, 2011, 5, .	0.7	1
15	Dynamic Load Estimation for Heavy Trucks on Bridge Structures. SAE International Journal of Commercial Vehicles, 0, 6, 62-72.	0.4	3