

Mainak Mitra

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

140
citations

1683354

5
h-index

1588620

8
g-index

15
all docs

15
docs citations

15
times ranked

115
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Microslip Projection for Reduction of Frictional and Contact Nonlinearities in Shrouded Blisks. <i>Journal of Computational and Nonlinear Dynamics</i> , 2016, 11, .	0.7	39
2	Development and validation of a pressure-type automated quantitative sensory testing system for point-of-care pain assessment. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 633-644.	1.6	29
3	Dynamic model order reduction of blisks with nonlinear damping coatings using amplitude dependent mistuning. <i>International Journal of Non-Linear Mechanics</i> , 2019, 111, 49-59.	1.4	24
4	Dynamic Modeling and Projection-Based Reduction Methods for Bladed Disks With Nonlinear Frictional and Intermittent Contact Interfaces. <i>Applied Mechanics Reviews</i> , 2019, 71, .	4.5	22
5	Application of Tuned Vibration Absorber Concept to Blisk Ring Dampers: A Nonlinear Study. <i>Journal of Engineering for Gas Turbines and Power</i> , 2019, 141, .	0.5	13
6	Effects of Contact Mistuning on Shrouded Blisk Dynamics. , 2016, , .		6
7	Dynamic Load Estimation for Heavy Trucks on Bridge Structures. <i>SAE International Journal of Commercial Vehicles</i> , 0, 6, 62-72.	0.4	3
8	Nonlinear modeling of the vehicle/structure interaction on a skewed highway bridge using an iterative uncoupled approach. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
9	Multimodal Automated Quantitative Sensory Testing System for Pain Research. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2011, 5, .	0.4	1
10	On the coherency of dynamic load estimates for vehicles on flexible structures. <i>Vehicle System Dynamics</i> , 2014, 52, 299-316.	2.2	1
11	Adaptive Microslip Projection (AMP) for Reduction of Frictional and Contact Non-Linearities in Shrouded Blisks. , 2015, , .		0
12	A Sensitivity Based Heuristic for Optimal Blade Arrangement in a Linear Mistuned Rotor. , 2018, , .		0
13	A 3D-printed, touch-activated, sanitizer dispensing device for reducing healthcare-acquired infections. <i>Journal of 3D Printing in Medicine</i> , 2020, 4, 91-104.	1.0	0
14	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, .	4.5	0
15	Tutorial on Nonlinear Reduced Order Modeling for Nominally Cyclic Symmetric Structures and Rotating Machinery. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2021, , 151-155.	0.3	0