

Jaspreet Singh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7118108/publications.pdf>

Version: 2024-02-01

57
papers

860
citations

567281

15
h-index

501196

28
g-index

59
all docs

59
docs citations

59
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of fiber orientation on the structural behavior of FRP wrapped concrete cylinders. Composite Structures, 2006, 74, 475-483.	5.8	74
2	Buckling of functionally graded and elastically restrained non-uniform columns. Composites Part B: Engineering, 2009, 40, 393-403.	12.0	73
3	Transcendental Eigenvalue Problem and Its Applications. AIAA Journal, 2002, 40, 1402-1407.	2.6	49
4	Receptance-Based Active Aeroelastic Control Using Multiple Control Surfaces. Journal of Aircraft, 2014, 51, 335-342.	2.4	36
5	Pattern characteristics of Indian monsoon rainfall using principal component analysis (PCA). Atmospheric Research, 2006, 79, 317-326.	4.1	35
6	Free vibration and physical parameter identification of non-uniform composite beams. Composite Structures, 2006, 74, 37-50.	5.8	32
7	Pole assignment using state feedback with time delay in friction-induced vibration problems. Acta Mechanica, 2013, 224, 645-656.	2.1	31
8	Eigenvalue and eigenvector computation for discrete and continuous structures composed of viscoelastic materials. International Journal of Mechanical Sciences, 2016, 110, 127-137.	6.7	31
9	Partial eigenvalue assignment and its stability in a time delayed system. Mechanical Systems and Signal Processing, 2014, 42, 247-257.	8.0	25
10	Receptance-Based Active Aeroelastic Control with Embedded Control Surfaces Having Actuator Dynamics. Journal of Aircraft, 2016, 53, 830-845.	2.4	24
11	Active aeroelastic control with time delay for targeted flutter modes. Aerospace Science and Technology, 2015, 43, 281-288.	4.8	20
12	Transcendental inverse eigenvalue problems in damage parameter estimation. Mechanical Systems and Signal Processing, 2009, 23, 1870-1883.	8.0	19
13	Dynamic Absorption by Passive and Active Control1. Journal of Vibration and Acoustics, Transactions of the ASME, 2000, 122, 429-433.	1.6	18
14	Active aeroelastic output feedback control with partial measurements by the method of receptances. Aerospace Science and Technology, 2019, 86, 47-63.	4.8	16
15	HSP70 induction and oxidative stress protection mediated by a subtoxic dose of NMDA in the retinoic acid-differentiated C6 glioma cell line. Brain Research Bulletin, 2006, 69, 37-47.	3.0	15
16	Transcriptional regulation of PSA-NCAM expression by NMDA receptor activation in RA-differentiated C6 glioma cultures. Brain Research Bulletin, 2009, 79, 157-168.	3.0	14
17	Active Aeroelastic Control Using the Receptance Method. , 2010, , .		14
18	Developing predictive tools for friction stir weld quality assessment. Science and Technology of Welding and Joining, 2010, 15, 142-148.	3.1	12

#	ARTICLE	IF	CITATIONS
19	An experimental investigation of the effect of strain on the electrical conductivity of a shape memory polymer. <i>Polymer Testing</i> , 2016, 49, 82-87.	4.8	10
20	Fabrication and vibration characterization of electrically triggered shape memory polymer beams. <i>Polymer Testing</i> , 2017, 61, 74-82.	4.8	10
21	Effect of laminated core on rotor mode shape of large high speed induction motor. , 2011, , .		9
22	Quadratic partial eigenvalue assignment problem with time delay for active vibration control. <i>Journal of Physics: Conference Series</i> , 2009, 181, 012092.	0.4	8
23	Optimization of Control Surface Parameters with Augmented Flutter Boundary Constraints. , 2014, , .		7
24	Optimal Sizing and Configurations of the Control Surfaces for Active Aeroelastic Control. , 2015, , .		7
25	Transcendental Inverse Eigenvalue Problem Associated with Longitudinal Vibrations in Rods. <i>AIAA Journal</i> , 2006, 44, 317-322.	2.6	6
26	Closed Form Control Gains for Zero Assignment in the Time Delayed System. <i>Journal of Computational and Nonlinear Dynamics</i> , 2011, 6, .	1.2	6
27	Revitalizing the Engineering Curriculum Through Studio Based Instruction. , 2012, , .		6
28	A methodology for the design, fabrication and testing of axially graded polymeric structures with tailored vibration characteristics. <i>Polymer Testing</i> , 2021, 94, 107054.	4.8	5
29	Active Absorption of Viscously Damped System With Time Delay. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2008, 75, .	2.2	4
30	Receptance Based Active Aeroelastic Control Using Multiple Control Surfaces. , 2012, , .		4
31	Optimal Sizing and Placement of Control Surfaces for Active Aeroservoelastic Control. , 2017, , .		4
32	Mode Classification and Dynamic Analysis of Coupled "Motor-Compressor-Flexible-Foundation" Structures. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2014, , 53-64.	0.5	4
33	Zero Assignment in Vibration: With and Without Time Delay. , 2007, , 739.		3
34	Numerical deflation of the transcendental eigenvalue problem. <i>Mechanical Systems and Signal Processing</i> , 2017, 83, 522-532.	8.0	3
35	Active Control of Viscoelastic Systems by the Method of Receptance. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2018, 140, .	1.6	3
36	Zero assignment in a time delayed continuous system for active vibration control. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
37	Development of educational techniques for computational-experimental analysis. , 2013, , .		2
38	Continuous Structures With Viscoelastic Supports: Tuning of Material Parameters and Support Location. , 2015, , .		2
39	Optimal Selection of Control Surfaces for Active Aeroelastic Control of Prescribed Modes. , 2016, , .		2
40	Free and Forced Vibration Characteristics of Axially Graded Multifunctional Viscoelastic Beams. , 2017, , .		2
41	Design, Fabrication and Testing of 3D Printed Wings for Rapid Evaluation of Aeroelastic Performance. , 2018, , .		2
42	Effect of Embedded Control Surface Actuators on Active Aeroelastic Control. , 2015, , .		1
43	Evaluating Power Requirements of Electro-Hydraulic Actuators for Active Aeroservoelastic Control. , 2020, , .		1
44	Zero Assignment in Continuous Systems. , 2003, , .		1
45	Vibration Performance of Axially Graded Polymeric Viscoelastic Beams. , 2019, , .		1
46	Dynamic Characterization and Vibration Performance of Polymeric Composite Structures. , 2022, , .		1
47	A Mathematical Model to Overcome the Discrepancies Between Continuous Systems and Their Discrete Approximation. , 2002, , 605.		0
48	Detection of minuscule changes in structures from spectral data. , 2007, , .		0
49	Model Reduction for Nonlinear Structural Systems Using Balanced Realization Theory. , 2013, , .		0
50	Upgrading the engineering curriculum through thematic learning modules. , 2014, , .		0
51	Student perception and knowledge: Assessment of online Computational-Experimental (ComEx) learning modules. , 2014, , .		0
52	Active Control of Viscoelastic Systems by the Method of Receptance. , 2016, , .		0
53	Study Correlating Lead (Pb) Level Exposure and Bone Shock Absorption Capacity Based on Damping Associated With Higher Modes of Vibration. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2021, 4, .	0.5	0
54	Direct and Inverse Eigenvalue Problems Towards the Design and Identification of Mass-Loaded Micro-Resonators. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
55	Characterization and Estimation of Mass Loss Due to Exfoliation Corrosion From Vibration Spectrum. , 2008, , .		0
56	Embedding Specialized Online Learning Modules in Courses. , 2014, , .		0
57	Active Control with the Method of Receptances: Recent Progresses and Its Application in Active Aeroelastic Control. Springer Proceedings in Mathematics and Statistics, 2020, , 159-182.	0.2	0