V Balamurugan

List of Publications by Year
in descending order

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20	736	706676 14	993246 17
papers	citations	h-index	g-index

20	20	20	491
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-linear State Space Formulation Simulating Single Station Ride Dynamics of Military Vehicle. Lecture Notes in Mechanical Engineering, 2021, , 411-428.	0.3	0
2	Ride Comfort Analysis of Math Ride Dynamics Model of Full Tracked Vehicle with Trailing Arm Suspension. Procedia Engineering, 2016, 144, 1110-1118.	1.2	16
3	Ride dynamics mathematical model for a single station representation of tracked vehicle. Journal of Terramechanics, 2014, 53, 47-58.	1.4	21
4	Finite element modeling of stiffened piezolaminated plates and shells with piezoelectric layers for active vibration control. Smart Materials and Structures, 2010, 19, 105003.	1.8	16
5	Functionally Graded Shells with Distributed Piezoelectric Sensors and Actuators for Active Vibration Control. , 2010, , 3-13.		3
6	Multilayer Higher Order Piezolaminated Smart Composite Shell Finite Element and its Application to Active Vibration Control. Journal of Intelligent Material Systems and Structures, 2009, 20, 425-441.	1.4	15
7	A piezolaminated composite degenerated shell finite element for active control of structures with distributed piezosensors and actuators. Smart Materials and Structures, 2008, 17, 035031.	1.8	54
8	A HIGHER ORDER FINITE ELEMENT MODELING OF PIEZOLAMINATED SMART COMPOSITE PLATES AND ITS APPLICATION TO ACTIVE VIBRATION CONTROL. International Journal of Computational Methods, 2007, 04, 141-162.	0.8	3
9	A piezoelectric higher-order plate element for the analysis of multi-layer smart composite laminates. Smart Materials and Structures, 2007, 16, 2026-2039.	1.8	16
10	Finite element modelling of piezolaminated smart structures for active vibration control with distributed sensors and actuators. Journal of Sound and Vibration, 2003, 262, 529-562.	2.1	211
11	Active-passive hybrid vibration control study in plates using enhanced smart constrained layer damping (ESCLD) treatment. , 2003, , .		0
12	FINITE ELEMENT FORMULATION AND ACTIVE VIBRATION CONTROL STUDY ON BEAMS USING SMART CONSTRAINED LAYER DAMPING (SCLD) TREATMENT. Journal of Sound and Vibration, 2002, 249, 227-250.	2.1	51
13	Activeâ€“passive hybrid damping in beams with enhanced smart constrained layer treatment. Engineering Structures, 2002, 24, 355-363.	2.6	20
14	Shell finite element for smart piezoelectric composite plate/shell structures and its application to the study of active vibration control. Finite Elements in Analysis and Design, 2001, 37, 713-738.	1.7	138
15	Active vibration control of smart shells using distributed piezoelectric sensors and actuators. Smart Materials and Structures, 2001, 10, 173-180.	1.8	35
16	Active Vibration Control of Piezolaminated Smart Beams. Defence Science Journal, 2001, 51, 103-114.	0.5	17
17	Dynamic Analysis of a Military- Tracked Vehicle. Defence Science Journal, 2000, 50, 155-165.	0.5	10
18	Dynamic instability of layered anisotropic composite plates on elastic foundations. Engineering Structures, 1999, 21, 988-995.	2.6	26

#	Article	IF	Citations
19	Nonlinear dynamic instability of laminated composite plates using finite element method. Computers and Structures, 1996, 60, 125-130.	2.4	43
20	Dynamic instability of laminated composite curved panels using finite element method. Computers and Structures, 1994, 53, 335-342.	2.4	41