

Vinay Dayal

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

320
citations

1163117

8
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Leaky Lamb waves in an anisotropic plate. I: An exact solution and experiments. Journal of the Acoustical Society of America, 1989, 85, 2268-2276.	1.1	123
2	Leaky Lamb waves in an anisotropic plate. II: Nondestructive evaluation of matrix cracks in fiber-reinforced composites. Journal of the Acoustical Society of America, 1991, 89, 1590-1598.	1.1	46
3	Effect of tube geometry and ply-angle on energy absorption of a circular glass/epoxy crush tube – A numerical study. Composites Part B: Engineering, 2012, 43, 2960-2967.	12.0	31
4	Longitudinal waves in homogeneous anisotropic cylindrical bars immersed in fluid. Journal of the Acoustical Society of America, 1993, 93, 1249-1255.	1.1	26
5	The interaction of Rayleigh waves with delaminations in composite laminates. Journal of the Acoustical Society of America, 2014, 135, 2646-2653.	1.1	23
6	Detection and Characterization of Waviness in Unidirectional GFRP Using Rayleigh Wave Air Coupled Ultrasonic Testing (RAC-UT). Research in Nondestructive Evaluation, 2013, 24, 191-201.	1.1	18
7	Wave propagation in a composite with a wavy sublamina. Journal of Nondestructive Evaluation, 1995, 14, 1-7.	2.4	10
8	Influence of fiber orientation on the inherent acoustic nonlinearity in carbon fiber reinforced composites. Journal of the Acoustical Society of America, 2015, 137, 617-624.	1.1	10
9	Nondestructive evaluation of helicopter rotor blades using guided Lamb modes. Ultrasonics, 2014, 54, 826-833.	3.9	8
10	How isotropic are quasi-isotropic laminates. Composites Part A: Applied Science and Manufacturing, 2003, 34, 93-103.	7.6	7
11	Review of ultrasonic testing for NDE of composite wind turbine blades. AIP Conference Proceedings, 2019, , .	0.4	5
12	Finite element simulation of core inspection in helicopter rotor blades using guided waves. Ultrasonics, 2015, 62, 126-135.	3.9	4
13	Destructive and Nondestructive Evaluation of Dry Spots in Thick Glass Fiber Reinforced Composites. Applied Composite Materials, 2019, 26, 693-708.	2.5	4
14	Influence of laminate sequence and fabric type on the inherent acoustic nonlinearity in carbon fiber reinforced composites. Journal of the Acoustical Society of America, 2016, 139, 2310-2319.	1.1	3
15	Micro-macro crack interaction in composites. Engineering Fracture Mechanics, 1994, 49, 647-658.	4.3	1
16	Micro-crack detection in CFRP laminates using coda wave NDE. AIP Conference Proceedings, 2018, , .	0.4	1
17	Crack interaction in composites. , 1994, , .		0