

Qingkai Han

List of Publications by Year in descending order

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papers

671
citations

623734

14
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752698

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all docs

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docs citations

20
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear vibration of rotating cylindrical shell due to unilateral contact induced tip rubbing impact: Theoretical and experimental verification. <i>Mechanical Systems and Signal Processing</i> , 2022, 164, 108244.	8.0	19
2	Investigation of vibro-impact resistance of fiber reinforced composite plates with polyurea coating with elastic constraints. <i>Aerospace Science and Technology</i> , 2022, 121, 107196.	4.8	13
3	Modeling and evaluation of dynamic degradation behaviours of carbon fibre-reinforced epoxy composite shells. <i>Applied Mathematical Modelling</i> , 2022, 104, 21-33.	4.2	7
4	Vibration performance of rotating thin-walled cylindrical shell with tip-rubbing excitation between drum and stator vane segment of aero-engine. <i>Journal of Sound and Vibration</i> , 2022, 525, 116759.	3.9	9
5	Vibro-impact response of FRP sandwich plates with a foam core reinforced by chopped fiber rods. <i>Composites Part B: Engineering</i> , 2022, 242, 110077.	12.0	30
6	A unified modeling method for dynamic analysis of CFRC-PGPC circular arch with general boundary conditions in hygrothermal environment. <i>Composite Structures</i> , 2021, 255, 112884.	5.8	9
7	Vibration suppression effect of porous graphene platelet coating on fiber reinforced polymer composite plate with viscoelastic damping boundary conditions resting on viscoelastic foundation. <i>Engineering Structures</i> , 2021, 237, 112167.	5.3	19
8	Vibration and damping study of multifunctional grille composite sandwich plates with an IMAS design approach. <i>Composites Part B: Engineering</i> , 2021, 223, 109078.	12.0	44
9	Vibration and damping analysis of cylindrical shell treated with viscoelastic damping materials under elastic boundary conditions via a unified Rayleigh-Ritz method. <i>International Journal of Mechanical Sciences</i> , 2020, 165, 105158.	6.7	46
10	Modeling of amplitude-dependent damping characteristics of fiber reinforced composite thin plate. <i>Applied Mathematical Modelling</i> , 2020, 80, 394-407.	4.2	36
11	Nonlinear vibration analysis of fiber reinforced composite cylindrical shells with partial constrained layer damping treatment. <i>Thin-Walled Structures</i> , 2020, 157, 107000.	5.3	56
12	An iterative method for identification of temperature and amplitude dependent material parameters of fiber-reinforced polymer composites. <i>International Journal of Mechanical Sciences</i> , 2020, 184, 105818.	6.7	34
13	Identification of the Anisotropic Elastic Parameters of NiCrAlY Coating by Combining Nanoindentation and Finite Element Method. <i>Shock and Vibration</i> , 2019, 2019, 1-13.	0.6	1
14	Vibration reduction of the blisk by damping hard coating and its intentional mistuning design. <i>Aerospace Science and Technology</i> , 2019, 84, 1049-1058.	4.8	46
15	Multiobjective optimization of hard coating parameters designing for damping of the bladed disk. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 1609-1619.	1.3	11
16	A new nonlinear vibration model of fiber-reinforced composite thin plate with amplitude-dependent property. <i>Nonlinear Dynamics</i> , 2018, 94, 2219-2241.	5.2	34
17	Vibration and damping analysis of the bladed disk with damping hard coating on blades. <i>Aerospace Science and Technology</i> , 2016, 58, 248-257.	4.8	68
18	Traveling wave analysis of rotating cross-ply laminated cylindrical shells with arbitrary boundary conditions via Rayleigh-Ritz method. <i>Composite Structures</i> , 2015, 133, 1101-1115.	5.8	48

#	ARTICLE	IF	CITATIONS
19	Identification of mechanical parameters of hard-coating materials with strain-dependence. Journal of Mechanical Science and Technology, 2014, 28, 81-92.	1.5	17
20	Vibration studies of rotating cylindrical shells with arbitrary edges using characteristic orthogonal polynomials in the Rayleigh-Ritz method. International Journal of Mechanical Sciences, 2013, 68, 180-189.	6.7	124