

Feng Gao

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

248
citations

1040056

9
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1058476

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27
all docs

27
docs citations

27
times ranked

101
citing authors

#	ARTICLE	IF	CITATIONS
1	Free vibration analysis of a hard-coating cantilever cylindrical shell with elastic constraints. <i>Aerospace Science and Technology</i> , 2017, 63, 232-244.	4.8	32
2	Analysis of frequency-domain vibration response of thin plate attached with viscoelastic free layer damping. <i>Mechanics Based Design of Structures and Machines</i> , 2018, 46, 209-224.	4.7	29
3	Mistuning identification and model updating of coating blisk based on modal test. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 299-321.	8.0	18
4	Identification of mechanical parameters of hard-coating materials with strain-dependence. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 81-92.	1.5	17
5	Vibration Characteristics and Damping Analysis of the Blisk-Deposited Hard Coating Using the Rayleigh-Ritz Method. <i>Coatings</i> , 2017, 7, 108.	2.6	14
6	Forced vibration analysis of the hard-coating blisk considering the strain-dependent manner of the hard-coating damper. <i>Aerospace Science and Technology</i> , 2018, 79, 187-198.	4.8	14
7	Nonlinear finite element modeling and vibration analysis of the blisk deposited strain-dependent hard coating. <i>Mechanical Systems and Signal Processing</i> , 2019, 121, 124-143.	8.0	14
8	Nonlinear vibration analysis of coated blisks in the presence of stiffness mistuning identification. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108338.	8.0	10
9	Analytical Modeling of Hard-Coating Cantilever Composite Plate considering the Material Nonlinearity of Hard Coating. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-14.	1.1	9
10	Damping Optimization of Hard-Coating Thin Plate by the Modified Modal Strain Energy Method. <i>Coatings</i> , 2017, 7, 32.	2.6	9
11	A New Finite Element Formulation for Nonlinear Vibration Analysis of the Hard-Coating Cylindrical Shell. <i>Coatings</i> , 2017, 7, 70.	2.6	9
12	Solution of nonlinear eigenvalues for the viscoelastic damped cylindrical shell considering the frequency dependence of viscoelastic materials. <i>Thin-Walled Structures</i> , 2022, 173, 109013.	5.3	9
13	Free vibration analysis of the hard-coating splitter blisk using the energy-based finite element method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4577-4589.	2.1	8
14	Analysis of Nonlinear Vibration of Hard Coating Thin Plate by Finite Element Iteration Method. <i>Shock and Vibration</i> , 2014, 2014, 1-12.	0.6	7
15	Identifying the Mechanical Parameters of Hard Coating with Strain Dependent Characteristic by an Inverse Method. <i>Shock and Vibration</i> , 2015, 2015, 1-15.	0.6	7
16	Reduced-Order Modeling for and Vibration Characteristics Analysis of a Hard-Coated Mistuned Blisk. <i>Coatings</i> , 2017, 7, 103.	2.6	7
17	Application of the hard-coating damper on the mistuned blisk for passive vibration reduction. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 1562-1574.	2.1	5
18	Finite element modeling and analysis of dynamic characteristics of rotating coated blisks. <i>Aerospace Science and Technology</i> , 2022, 123, 107497.	4.8	5

#	ARTICLE	IF	CITATIONS
19	Experimental Study on the Influence on Vibration Characteristics of Thin Cylindrical Shell with Hard Coating under Cantilever Boundary Condition. <i>Shock and Vibration</i> , 2017, 2017, 1-23.	0.6	4
20	A cyclic symmetric model for the investigation of vibration reduction of hard-coating blisk. <i>Engineering Computations</i> , 2020, 37, 3387-3406.	1.4	4
21	Modelling method and mistuning amplification analysis of the forced response for coated blisks in the presence of coatings-material nonlinearity. <i>Thin-Walled Structures</i> , 2020, 154, 106850.	5.3	4
22	An extended subset of nominal modes method for coated blisks with thickness mistuning of coatings and blisks. <i>Archive of Applied Mechanics</i> , 2020, 90, 2007-2024.	2.2	4
23	Graded Modeling Method for Coated Blisks with Multi-Mistuning and Coating-Material Nonlinearity. <i>AIAA Journal</i> , 2022, 60, 1883-1894.	2.6	3
24	A structural damping identification technique for coatings on blisks based on improved component mode mistuning model. <i>Thin-Walled Structures</i> , 2020, 151, 106737.	5.3	2
25	Effects of nonlinear coatings on vibration characteristics of rotating blisks with mistuning features. <i>Engineering Failure Analysis</i> , 2021, 128, 105632.	4.0	2
26	Passive Vibration Reduction Analysis of the Mistuned Blisk Deposited Hard Coating Using Modified Reduced-Order Model. <i>Coatings</i> , 2019, 9, 812.	2.6	1
27	Mistuning identification for coated blisks using small amount of experimental data. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2129-2156.	2.1	1