

# Feng Gao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7698591/publications.pdf>

Version: 2024-02-01

27  
papers

248  
citations

1040056

9  
h-index

1058476

14  
g-index

27  
all docs

27  
docs citations

27  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graded Modeling Method for Coated Blisks with Multi-Mistuning and Coating-Material Nonlinearity. AIAA Journal, 2022, 60, 1883-1894.	2.6	3
2	Nonlinear vibration analysis of coated blisks in the presence of stiffness mistuning identification. Mechanical Systems and Signal Processing, 2022, 165, 108338.	8.0	10
3	Solution of nonlinear eigenvalues for the viscoelastic damped cylindrical shell considering the frequency dependence of viscoelastic materials. Thin-Walled Structures, 2022, 173, 109013.	5.3	9
4	Finite element modeling and analysis of dynamic characteristics of rotating coated blisks. Aerospace Science and Technology, 2022, 123, 107497.	4.8	5
5	Mistuning identification for coated blisks using small amount of experimental data. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2129-2156.	2.1	1
6	Effects of nonlinear coatings on vibration characteristics of rotating blisks with mistuning features. Engineering Failure Analysis, 2021, 128, 105632.	4.0	2
7	A cyclic symmetric model for the investigation of vibration reduction of hard-coating blisk. Engineering Computations, 2020, 37, 3387-3406.	1.4	4
8	Modelling method and mistuning amplification analysis of the forced response for coated blisks in the presence of coatings-material nonlinearity. Thin-Walled Structures, 2020, 154, 106850.	5.3	4
9	A structural damping identification technique for coatings on blisks based on improved component mode mistuning model. Thin-Walled Structures, 2020, 151, 106737.	5.3	2
10	An extended subset of nominal modes method for coated blisks with thickness mistuning of coatings and blisks. Archive of Applied Mechanics, 2020, 90, 2007-2024.	2.2	4
11	Application of the hard-coating damper on the mistuned blisk for passive vibration reduction. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 1562-1574.	2.1	5
12	Free vibration analysis of the hard-coating splitter blisk using the energy-based finite element method. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4577-4589.	2.1	8
13	Passive Vibration Reduction Analysis of the Mistuned Blisk Deposited Hard Coating Using Modified Reduced-Order Model. Coatings, 2019, 9, 812.	2.6	1
14	Mistuning identification and model updating of coating blisk based on modal test. Mechanical Systems and Signal Processing, 2019, 121, 299-321.	8.0	18
15	Nonlinear finite element modeling and vibration analysis of the blisk deposited strain-dependent hard coating. Mechanical Systems and Signal Processing, 2019, 121, 124-143.	8.0	14
16	Analysis of frequency-domain vibration response of thin plate attached with viscoelastic free layer damping. Mechanics Based Design of Structures and Machines, 2018, 46, 209-224.	4.7	29
17	Forced vibration analysis of the hard-coating blisk considering the strain-dependent manner of the hard-coating damper. Aerospace Science and Technology, 2018, 79, 187-198.	4.8	14
18	Free vibration analysis of a hard-coating cantilever cylindrical shell with elastic constraints. Aerospace Science and Technology, 2017, 63, 232-244.	4.8	32

#	ARTICLE	IF	CITATIONS
19	Damping Optimization of Hard-Coating Thin Plate by the Modified Modal Strain Energy Method. Coatings, 2017, 7, 32.	2.6	9
20	Reduced-Order Modeling for and Vibration Characteristics Analysis of a Hard-Coated Mistuned Blisk. Coatings, 2017, 7, 103.	2.6	7
21	Vibration Characteristics and Damping Analysis of the Blisk-Deposited Hard Coating Using the Rayleigh-Ritz Method. Coatings, 2017, 7, 108.	2.6	14
22	Experimental Study on the Influence on Vibration Characteristics of Thin Cylindrical Shell with Hard Coating under Cantilever Boundary Condition. Shock and Vibration, 2017, 2017, 1-23.	0.6	4
23	A New Finite Element Formulation for Nonlinear Vibration Analysis of the Hard-Coating Cylindrical Shell. Coatings, 2017, 7, 70.	2.6	9
24	Analytical Modeling of Hard-Coating Cantilever Composite Plate considering the Material Nonlinearity of Hard Coating. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	9
25	Identifying the Mechanical Parameters of Hard Coating with Strain Dependent Characteristic by an Inverse Method. Shock and Vibration, 2015, 2015, 1-15.	0.6	7
26	Analysis of Nonlinear Vibration of Hard Coating Thin Plate by Finite Element Iteration Method. Shock and Vibration, 2014, 2014, 1-12.	0.6	7
27	Identification of mechanical parameters of hard-coating materials with strain-dependence. Journal of Mechanical Science and Technology, 2014, 28, 81-92.	1.5	17