

# Yuyang Chai

## List of Publications by Year in descending order

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15  
papers

435  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

86  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-shaped mechanism based enhanced tunable QZS property for passive vibration isolation. <i>International Journal of Mechanical Sciences</i> , 2022, 218, 107077.	6.7	69
2	In-situ adjustable nonlinear passive stiffness using X-shaped mechanisms. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108267.	8.0	65
3	A compact X-shaped mechanism based 3-DOF anti-vibration unit with enhanced tunable QZS property. <i>Mechanical Systems and Signal Processing</i> , 2022, 168, 108651.	8.0	47
4	Investigations on the aerothermoelastic properties of composite laminated cylindrical shells with elastic boundaries in supersonic airflow based on the Rayleigh-Ritz method. <i>Aerospace Science and Technology</i> , 2018, 82-83, 534-544.	4.8	35
5	Nonlinear vibrations, bifurcations and chaos of lattice sandwich composite panels on Winkler-Pasternak elastic foundations with thermal effects in supersonic airflow. <i>Meccanica</i> , 2019, 54, 919-944.	2.0	32
6	Vibration characteristics of simply supported pyramidal lattice sandwich plates on elastic foundation: Theory and experiments. <i>Thin-Walled Structures</i> , 2021, 166, 108116.	5.3	30
7	Influence of the boundary relaxation on the flutter and thermal buckling of composite laminated panels. <i>Aerospace Science and Technology</i> , 2020, 104, 106000.	4.8	25
8	Aeroelastic analysis and flutter control of wings and panels: A review. <i>International Journal of Mechanical System Dynamics</i> , 2021, 1, 5-34.	2.8	24
9	Analysis and active control of nonlinear vibration of composite lattice sandwich plates. <i>Nonlinear Dynamics</i> , 2020, 102, 2179-2203.	5.2	23
10	Nonlinear Flutter Suppression and Thermal Buckling Elimination for Composite Lattice Sandwich Panels. <i>AIAA Journal</i> , 2019, 57, 4863-4872.	2.6	20
11	Low-frequency multi-direction vibration isolation via a new arrangement of the X-shaped linkage mechanism. <i>Nonlinear Dynamics</i> , 2022, 109, 2383-2421.	5.2	19
12	Aerothermoelastic flutter analysis and active vibration suppression of nonlinear composite laminated panels with time-dependent boundary conditions in supersonic airflow. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 653-668.	2.5	18
13	Vibration and thermal buckling analyses of multi-span composite lattice sandwich beams. <i>Archive of Applied Mechanics</i> , 2021, 91, 2601-2616.	2.2	14
14	A New Theoretical Model to Study the Closing Bounce Characteristics of the Electromagnetic Relay Under Capacitive Loads. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 1358-1366.	2.5	9
15	A new method for suppressing nonlinear flutter and thermal buckling of composite lattice sandwich beams. <i>Acta Mechanica</i> , 2022, 233, 121-136.	2.1	5