

Yuyang Chai

List of Publications by Year in descending order

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15
papers

435
citations

759233

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times ranked

86
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | In-situ adjustable nonlinear passive stiffness using X-shaped mechanisms. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108267. | 8.0 | 65 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 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 | 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 |
| 10 | Analysis and active control of nonlinear vibration of composite lattice sandwich plates. <i>Nonlinear Dynamics</i> , 2020, 102, 2179-2203. | 5.2 | 23 |
| 11 | 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 |
| 12 | Nonlinear Flutter Suppression and Thermal Buckling Elimination for Composite Lattice Sandwich Panels. <i>AIAA Journal</i> , 2019, 57, 4863-4872. | 2.6 | 20 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |