

# Wei Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2440657/publications.pdf>

Version: 2024-02-01

10  
papers

84  
citations

1684188  
5  
h-index

1588992  
8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

63  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element model updating of honeycomb sandwich plates using a response surface model and global optimization technique. <i>Structural and Multidisciplinary Optimization</i> , 2017, 55, 121-139.	3.5	26
2	Design and Experimental Validation of a Large-Displacement Constant-Force Mechanism. <i>Journal of Mechanisms and Robotics</i> , 2018, 10, .	2.2	20
3	Modeling, measurement and simulation of the disturbance torque generated via solar array drive assembly. <i>Science China Technological Sciences</i> , 2018, 61, 587-603.	4.0	13
4	Modeling and Simulation of Solar Array Drive Assembly Disturbance Driving a Flexible Load. <i>Applied Mechanics and Materials</i> , 2014, 565, 67-73.	0.2	7
5	Design and Experimental Validation of Two Cam-Based Force Regulation Mechanisms. <i>Journal of Mechanisms and Robotics</i> , 2020, 12, .	2.2	7
6	Analysis and Testing of Microvibration Produced by Control Moment Gyroscope in Multi-Platform. <i>Applied Mechanics and Materials</i> , 2013, 421, 132-137.	0.2	4
7	Research on Microvibrations Generated by a Control Moment Gyroscope on a Flexible Interface Based on a Dynamic Substructure Method. <i>International Journal of Aerospace Engineering</i> , 2018, 2018, 1-17.	0.9	3
8	Analysis and experimental study on dynamic behavior of permanent magnet synchronous motor in driving flexible solar array. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 943-956.	2.6	3
9	Testing and Analysis of Micro-Vibrations Generated by Control Moment Gyroscope in Different Installation Boundary. <i>Applied Mechanics and Materials</i> , 0, 851, 453-458.	0.2	1
10	Analysis and Experimental Study on Dynamic Behavior of Stepper-Actuated Dual-Axis Data Transmission Antenna. <i>International Journal of Aerospace Engineering</i> , 2021, 2021, 1-18.	0.9	0